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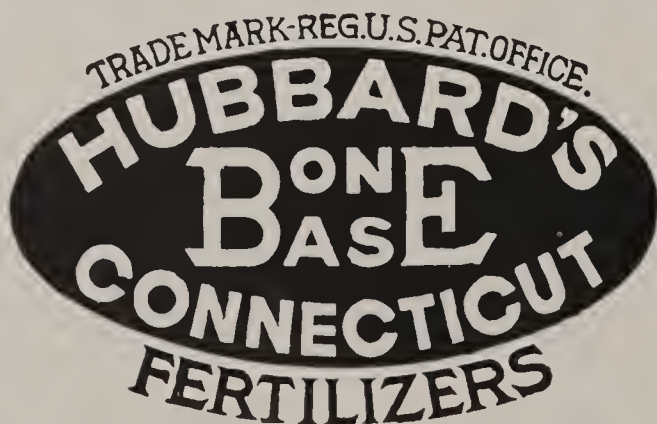


Reference Book
FOR
HOME AND NATURE
LOVERS
1939 EDITION



FEED YOUR PLANTS
 Enjoy the Results of a Charming Garden
**USE HUBBARD'S SCIENTIFICALLY
 PREPARED FOODS**

CADWELL & JONES
 DISTRIBUTOR



Manufactured by
The Rogers & Hubbard Co.
 PORTLAND, CONN.

Established 1878

THE HARTFORD SEED STORE

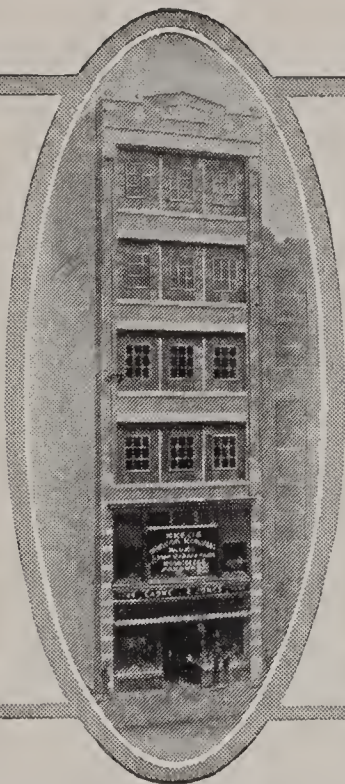
Has Served Connecticut Gardeners For Four Generations With

CAPITAL SEEDS

Lawn, Garden and Farm Requisites

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☆ MAR 7 1939 ☆
U. S. Department of Agriculture.



Seven Floors Equipped Ready to Serve You

Your Garden's Needs

land surrounding your home.

can be supplied here also, whether you have just a tiny strip of Lawn and a single Flower Bed, or acres of farm

Come and See Us

You will find a HEARTY WELCOME here, and we shall be pleased to show you our Building of Seven Floors filled with a complete stock of Flower—Vegetable—Grass and Farm Seeds—Flower Bulbs. Tools—Garden Gadgets—Insecticides and Fertilizers. Gaine's Dog Foods—Bird Foods and Feeders.

Seasonable Displays

To make shopping easier and more interesting to you, we have taken great care in displaying our Merchandise.

Novelties

Every year a great many new Flowers and Vegetables are introduced, and we endeavour to make wise selections from these for the benefit of our Progressive Customers. We invite you to make a special note of the New Roses, New Annual and Perennial Flower Seeds listed in this our 1939 Illustrated Catalog.

Your Telephone Orders

are welcome, and we give them expert attention at all times; however, during the rush season you will find less delay in reaching us before 11 A. M. and after 2 P. M.

Daily Deliveries

We make Deliveries Daily in Greater Hartford and surrounding Cities and Towns. Our Auto Trucks are equipped for Speedy, Efficient Service.

Your Mail Orders

We give special attention to your Mail Orders and endeavour to dispatch the Merchandise ordered on the day of receipt, if possible, unless requested otherwise.

• Phone 2-1171

FOR PROMPT
SERVICE

Let "The Choice of the Experienced Guide You".

Buy at Cadwell and Jones. It will pay you in every way.

CADWELL & JONES

Conveniently Located in the Shopping District

1084-86 MAIN STREET,

HARTFORD, CONN.

Introducing to Your Garden NEW AND FAVORITE FLOWERS

*You Will Enjoy the Riot of Colors These Floral Novelties
Will Bring to Your Garden*

"BUY THE SEEDS THAT EXPERTS PREFER AND PLANT"



Golden Crown Chrysanthemum

Annual Chrysanthemum

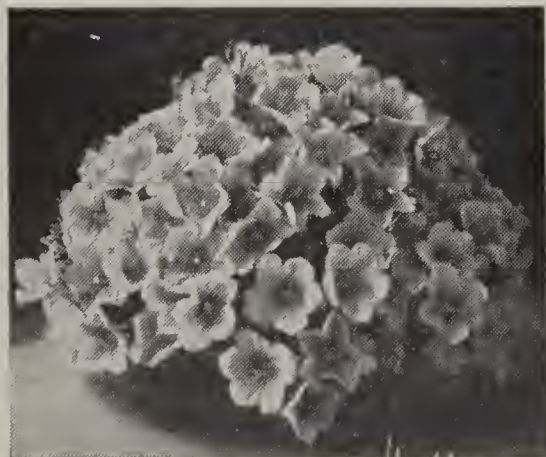
GOLDEN CROWN (New)

The quilled golden florets are arranged in compact heads on stems 3 ft.-4 ft. high. A well-grown plant will produce over 50 flowers. It is an excellent cut flower. Pkt. 25 cts.

New Ageratum

FAIRY PINK

Delightful salmon-rose pink flowers. A dwarf compact plant. Fine for edgings. Pkt. 25 cts.



Nierembergia Hippomanica

Nierembergia Hippomanica

(DWARF BLUE CUP FLOWER)

Lavender blue cups with yellow stamens. Compact plants. Good for edgings, rock gardens and window boxes. Sow early. Blooms until frost. Pkt. 25 cts.

MAKE YOUR GARDEN GAY WITH AUTUMN PLANTED BULBS

Tulips, Crocus, Hyacinths, Narcissus, etc. For Spring Blooming—See Our Fascinating Display. Ready about September 1st.

Aquilegia Clematiflora

CHOICE MIXED

This new columbine has no spurs. Its wide spreading sepals form Clematis-like flowers that are unique. Pkt. 25 cts.

Calendula

ORANGE FANTASY

A 1937 All America Trials Winner. Large deep orange flowers, with rich brown centers 18 to 24 inches. Pkt. 25 cts.

Coreopsis Grandiflora

DOUBLE SUNBURST (New)

This newest strain has fully double flowers, pure golden yellow. Pkt. 25 cts.

Cuphea Firefly

A new dwarf plant suitable for edgings and window boxes. The Schizanthus-like flowers are cerise red. Blooms all Summer. 10 inches. Pkt. 25 cts.

Cynoglossum

"FIRMAMENT"

Improved Chinese For-Get-Me-Not. A new dwarf type—Rich true blue, excellent for bedding and cutting—15"-18". Pkt. 25 cts.

The New Red Morning Glory

IPOMEA SCARLET O'HARA

Rosy crimson flowers, four inches, across—free blooming flowers in about nine weeks from seed. Pkt. 25 cts.

New All Yellow Pansy CORONATION GOLD

Largest yellow variety. Canary-yellow, flushed golden-orange. Ruffled edges. Winner "All America Trials." Pkt. 25 cts.

Shakespeare's Pansies

Quaint little flowers unimproved since the Days of the Bard of Avon in many tints. Pkt. 25 cts.

Cadwell & Jones Novelty Flower Collection

A Collection of the above Thirteen New and Favorite Flowers. \$3.00.



Russell Lupins

Russell Lupins

RE-SELECTED STOCK.

These famous hardy plants are continually being improved by the originator. The Red-Pink-Yellow-Blue-Purple and Bicolor shades are richer and purer. Better habit and form. Pkt. 12 Seeds, 25 cts. 50 Seeds 65 cts. 120 Seeds \$1.25.



Marigold Royal Scot

Marigold Dwarf French ROYAL SCOT

Rich mahogany and gold in Uniform stripes. Compact growth. Free flowering. Pkt. 25 cts.

PERENNIAL AND ROCK GARDEN PLANTS

We have a fine selection of old reliable and new selections of hardy plants listed on page 21.

Presenting...

A SELECTION OF THE BEST NORTHERN GROWN ROSES

We can supply all varieties listed in field grown budded plants, with a nicely established root system. **Pot-grown. 95c each. \$10.00 dozen.** (Except where otherwise Priced.)

ORANGE

Hinrich Gaede. Buds Nasturtium-Red, opening Rich Vermilion, shaded Golden Yellow. Fragrant.

Autumn. Burnt Orange Streaked with Red.

Margaret McGredy. Brilliant Red Petals in tinges of Deep Gold.

President Hoover. Orange and Cerise Pink Flame, Scarlet and Yellow.

Talisman. Bright Apricot and Deep Rose Pink.

WHITE

Caledonia. The most desirable fragrant White.

Mme Jules Bouche. White, with slight blush, very double and fragrant.

RED

E. G. Hill. Beautiful long bud of perfect form and full double, high-centered flower of Dazzling Scarlet, shading to a deeper red.

Etoile de Holland. Popular brilliant Crimson Red.

McGredy's Scarlet. Brilliant fragrant Scarlet.

Gypsy Lass. Scarlet-Crimson, Maroon shadings.

POLYANTHA ROSES

These form dwarf bushes, bearing clusters of small, double Roses throughout the entire season.

Chatillon Rose. Crimson-Rose with white center.

Gloria Mundi. Orange-Scarlet.

CLIMBING ROSES

Mary Wallace. Bright Rose-Pink, Salmon base, moderate Climber.

Paul's Scarlet Climber. Vivid Scarlet. Most popular Red Climber.

TRI-OGEN.

The complete rose protection against plant insects and diseases.

Small Kit, \$1.50; Medium Kit, \$4.00; Large Kit, \$6.00.

FUNGTROGEN

Conquers mildew. Controls black-spot. Assures luxuriant foliage and bloom. **Qt. \$2.00, 1/2 gal. \$3.50, gal. \$6.00.**

Pomo-Green with Nicotine

Controls black-spot, mildew, and kills both eating insects and aphids. **Lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$12.75, 50 lbs. \$21.00, 100 lbs. \$40.00.**



PINK

Dame Edith Helen. Shapely buds and substantial, high-centered blooms of Clear Pink.

Betty Uprichard. Fragrant Salmon Pink.

Imperial Potentate. Dark, shining Rose-pink, shaded lighter on reverse of petals.

Miss Rowena Thom. Brilliant Rose-Pink with Old Gold Center.

Mrs. Henry Bowles. One of the best Light Pinks.

YELLOW

Mrs. Pierre S. DuPont. Deep Golden Yellow Fragrant.

Souvenir de Claudius Pernet. Striking Sunflower Yellow.

Ville de Paris. Rich Buttercup Yellow.

Golden Rapture. Large double yellow-long lasting.

Golden Dawn. The Ideal Yellow Rose.

ROSE NOVELTIES

Ever Blooming Hybrid Tea.

Crimson Glory. U. S. Plant Patent No. 105. Vivid Crimson with velvety Blood Red Nap. Strong grower. **\$1.25 each, \$12.00 doz.**

R. M. S. Queen Mary. Plant Patent No. 249. Salmon-Pink with Orange base. Fine Form. Fragrant. **\$1.60 each, \$18.00 doz.**

NEW CLIMBING ROSE

Golden Glow. Plant Patent No. 263. Pure Bright Yellow in clusters of four or five large double fragrant flowers, vigorous Climber. **\$1.25 each, \$12.00 doz.**

Cadwell & Jones Select Gladiolus

Use **NAPHTHALENE-FLAKES** for the Control of Thrips. Apply between the rows during growing season.

OUR BULBS ARE TREATED AND ARE THRIP FREE

AVE MARIA. Most beautiful light blue with small purple blotch. Doz. 55 cts., 100 \$3.50.

BLEEDING HEART. White, tinted pink, with large red blotch. Doz. 60 cts., 100 \$4.00.

BETTY NUTHALL. A sparkling orange pink, deepening to coral. Flowers often six inches across. Doz. 50 cts., 100 \$3.00.

CATHERINE COLEMAN. Salmon pink small blotch, long flower head and a prize winner. Doz. 50 cts., 100 \$3.00.

CHARLES DICKENS. Very tall strong plant, large purple flowers. Doz. 50 cts., 100 \$2.75.

COMMANDER KOEHL. Dark scarlet without markings. Tall straight flowers. Doz. 60 cts., 100 \$4.00.

DR. F. E. BENNETT. An unusual red, most fiery imaginable, and very large flowering, many open. Diener's best red. A monster in growth and vigor. Doz. 45 cts., 100 \$2.50.

GOLDEN DREAM. Pure golden yellow, very large flowers of good substance, robust grower and considered the best yellow on the market. A super Glad. Doz. 50 cts., 100 \$2.75.

MAID OF ORLEANS. Large milky white with deep cream throat, rather early. Doz. 70 cts., 100 \$5.00.



Modern Type Gladiolus

MINUET. Self-colored lavender striking blossoms. Doz. 50 cts., 100 \$3.50.

MOTHER MACHREE. Beautiful lavender wine-tinted, over laid with salmon-pink. Best so-called "smokes". Doz. 55 cts., 100 \$3.50.

PHYLLIS McQUISTON. A new clear Pink, better than W. H. Phipps fine spike with very large flowers. Doz. 85 cts., 100 \$6.00.

PICARDY. Clear soft shrimp pink shaded deeper at edges. Doz. 50 cts., 100 \$2.75.

PFITZERS TRIUMPH. Giant flower of orange-salmon blotched red. Doz. 50 cts., 100 \$3.50.

SCHWABENGIRL. A pure pink without markings, large round flowers. Doz. 60 cts., 100 \$4.00.

STAR OF BETHLEHEM. A grand pure white, large flowers on a fine spike. Early. Doz. 90 cts., 100 \$7.00.

VEILCHENBLAU. True violet-blue flowers of large size. Doz. 50 cts., 100 \$3.00.

CADWELL & JONES EXHIBITION MIXED. Our own mixture. All the above and other choice sorts. Doz. 45 cts., 100 \$2.50.

Giant Flowering Decorative Dahlias for Exhibition and Garden

The varieties listed will be found at nearly every Dahlia Show and are most desirable for cutting and house decoration. Write us regarding any varieties which we have not listed. Abbreviations: Cac.-Cactus. Dec.-Decorative.

	Each		Each
Avalon —Dec. Perfect yellow.....	\$.25	Rockley Moon —Dec. Light lemon yellow.....	.75
Clara M. Hass —Dec. Delicate pink shaded, white.....	.35	Rose Fallon —Dec. Large amber russet and salmon.....	.50
Charles G. Reed —Dec. Burgundy Red.....	1.00	Sanhican's Nymph —Dec. Primrose yellow tinted rose.....	.50
Ethel M. —Cac. Amaranth pink center. White..	.35	Shahrazad —Dec. Rose color.....	.75
Fair Harbor —Dec. Lavender pink.....	.50	Snowcap —Dec. The most dependable white....	.50
Frau O'Bracht —Cac. Primrose yellow.....	1.00	Southport Pride —Dec. Pale yellow and lavender.	.50
Fred Springer —Dec. Dwarf; bright red, splendid for border, or pot growing.....	.50	The World —Dec. Rosy magenta with garnet and silver.....	.50
George, Jr. —Cac. Bright salmon rose shaded yellow.....	.35	Thomas A. Edison —Dec. Royal purple, staghorn petals, stiff stems.....	.75
Girl of Hillcrest —Dec. Clear apricot buff.....	.50	Uncle Tom —Dec. As near black as any Dahlia..	.50
Jane Cowl —Dec. Bronzy buff and old gold salmon center.....	.35	Wm. Hogan —Dec. Garnet red with white tips... 1.00	
Janet Southwick —Dec. Deep tyrian rose.....	.75	New Miniature Dahlia —Bishop of Llandaff. Duplex Scarlet flowers, fern-like dark bronze foliage. 2 ft.....	.50
Jean Trimbee —Dec. Rich petunia violet.....	.75	We have also a fine selection of Miniature, Pompon and Single Dahlias priced from 35 cts. to \$1.00 each.	
Jersey's Beacon —Dec. Chinese scarlet.....	.35	Dahlias-In-Mixture	
Jersey's Beauty —Dec. True pink perfect.....	.35	Every year our grower has a quantity of Dahlias that has become mixed in handling. All good varieties tagged with color. Per doz. \$2.00.	
Jersey's Sovereign —Dec. Salmon orange.....	.35		
Kentucky —Dec. Brilliant salmon orange.....	.50		
Monmouth Champion —Dec. Orange Flame... 50			
Omar Khayyam —Dec. Chinese red with shadings of yellow and orange.....	.50		

See page 20 for summer-flowering Bulbs, Amaryllis, Begonias, Caladiums, Cannas, Lilies, etc.

Treat Your Gladiolus and Dahlias with **ROOTONE**, the Root Forming Powder, Just Before Planting, (See page 46).

Don't Wish for a Better Lawn... Ask Us—Have One!



Putting on Green

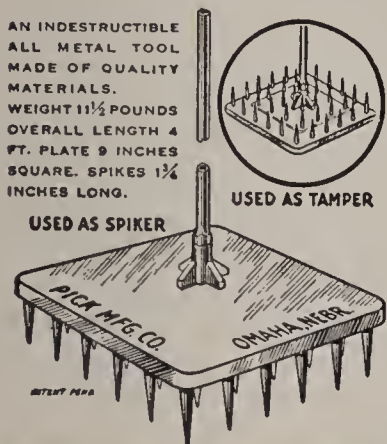


State Capitol and Grounds



Croquet Lawn

CAPITAL CITY LAWN GRASS SEED



Price \$4.50

mixture. It is not a cheap lawn grass, but it is sold as cheaply as we can sell it considering the cost of the materials. 1 lb., 50c.; 2 lbs., 95c.; 3 lbs., \$1.35; 5 lbs., \$2.00; 10 lbs., \$3.80; 15 lbs., \$5.70; 25 lbs., \$9.50.

ENGLISH-CHOICE LAWN GRASS SEED. This Mixture will provide a lawn of satisfactory appearance, the first season for those who wish to make a moderate Investment. 1 lb. 30c.; 2 lbs. 60c.; 5 lbs. \$1.50; 25 lbs. \$7.50.

SHADY NOOK LAWN GRASS SEED

It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places, and we recommend the use of this special mixture. In extremely shady spots or under trees, a liberal application of lime is recommended in the Fall. Apply sheep manure and sow Shady Nook Lawn seed in early Spring. 1 lb., 65 c.; 2 lbs., \$1.25; 3 lbs., \$1.75; 5 lbs., \$2.60; 10 lbs., \$4.50; 15 lbs., \$6.75; 25 lbs., \$11.25.

CONNECTICUT GOLD SEAL LAWN GRASS SEED (Registered). 1 lb., 65c.; 2 lbs., \$1.25; 5 lbs., \$3.00; 10 lbs., \$5.75; 25 lbs., \$14.25.

CONNECTICUT GOLD SEAL SHADY LAWN GRASS SEED (Registered). 1 lb., 70c.; 2 lbs., \$1.35; 5 lbs., \$3.25; 10 lbs., \$6.00; 25 lbs., \$15.00.

SPECIAL MIXTURES FOR GOLF LINKS, POLO FIELDS, ATHLETIC GROUNDS, BOWLING GREENS

We are prepared to furnish promptly, choice qualities of **Fancy Recleaned Red Top, Kentucky Blue Grass, Perennial Rye Grass, Creeping, Rhode Island, Astoria, Bents, Chewings Fescue** and other grasses used on golf courses and lawns.

Adco Weed Killer, see page 61—please.



Planet, Jr., Grass Seeder and Fertilizer Distributor
Price, \$6.40



PENNSYLVANIA LAWN MOWERS



See our DISPLAY of GARDEN TOOLS and ACCESSORIES for BETTER GARDENS

Procure a bit of lath (it would be better if planed smooth) about 2 feet long, press the edge down into the soil evenly, so as to make a groove as deep as the seed is to be planted; scatter the seed along this, allowing four or five of the larger to fifteen or twenty of the smaller seeds to the space one plant is to occupy when grown. Cover the seed by pressing earth together over it, then turn your lath sideways and press soil down firmly and evenly.

PLAN AND PLANT A FLOWER GARDEN FOR BEAUTY, HEALTH AND RECREATION

Acroclinium

Beautiful, everlasting flower, largely used for Winter bouquets.

New Large Flowered Double Mixed. Pkt. 10 cts.

Single Mixed. Pkt. 10 cts.

Ageratum

This plant keeps up an almost constant bloom throughout the Summer and is particularly effective for bedding as well as decidedly valuable for cut flowers. It has the further merit of being of the easiest culture. Can be started in hotbed or window box and transplanted after frost. Half-hardy annuals.

Blue Perfection. This is the darkest colored of all large-flowering Ageratums. Color deep amethyst-blue, compact growth; fine bedder. Pkt. 10 cts.

Fairy Pink. Delightful salmon-rose pink flowers. A dwarf compact plant. Fine for edgings. Pkt. 25 cts.

Tom Thumb. Blue; rarely exceeds 6 in. in height. A very desirable variety; good for edges of beds, etc. Pkt. 10 cents.

Alyssum

Whether grown for Summer blooming or for flowering in Fall and Winter in the parlor or greenhouse, its easy culture and the delicate honey-like fragrance of its flowers, so much prized in bouquets and baskets, makes this old favorite largely grown. Hardy annual.

Sweet Alyssum. Flowers white. 1 ft. Pkt. 10 cts., oz. 25 cts.

Lilac Queen. Improved deep lilac, very dwarf 6 in. Pkt. 10 cts.

Tom Thumb. Neat, compact 6 in. Pkt. 10 cts.

HARDY-PERENNIAL FLOWER SEEDS. See pages 17-18-19—Please.

FLOWER SEEDS

Brief Hints on Sowing and Cultivation

The Soil. A mellow loam, which is a medium earth between the extremes of clay and sand, enriched with a compost of rotted manure and leafmold, is adapted to the general run of flowering plants. Previous to planting flower beds or borders, care must be taken that they are so arranged that the ground may be a little elevated in the middle, that the water may run off, and that the plants may show to better advantage.

Sowing the Seed. We urge every purchaser of our seeds to carefully study the cultural directions printed on each package, and the following general rules:

Do not plant any of the seeds when the ground is wet. Make the surface as fine and smooth as possible. Cover each sort of seed to a depth proportionate to its size; the finest, like *Portulaca*, *Campanula*, *Digitalis*, etc., should be merely sprinkled on the surface of the ground, and barely covered with finely sifted, light, mellow soil. Press soil down firmly over the seed with a brick or short piece of board. For large seeds, depth should be regulated according to size of seed; those the size of a pinhead, $\frac{1}{2}$ inch deep, and those the size of a pea, $\frac{3}{4}$ of an inch.

Amaranthus

Tricolor Splendens. (Josephs-coat). Brilliant foliage of crimson yellow and bronze, excellent for borders. 2 ft. Pkt. 10 cts.

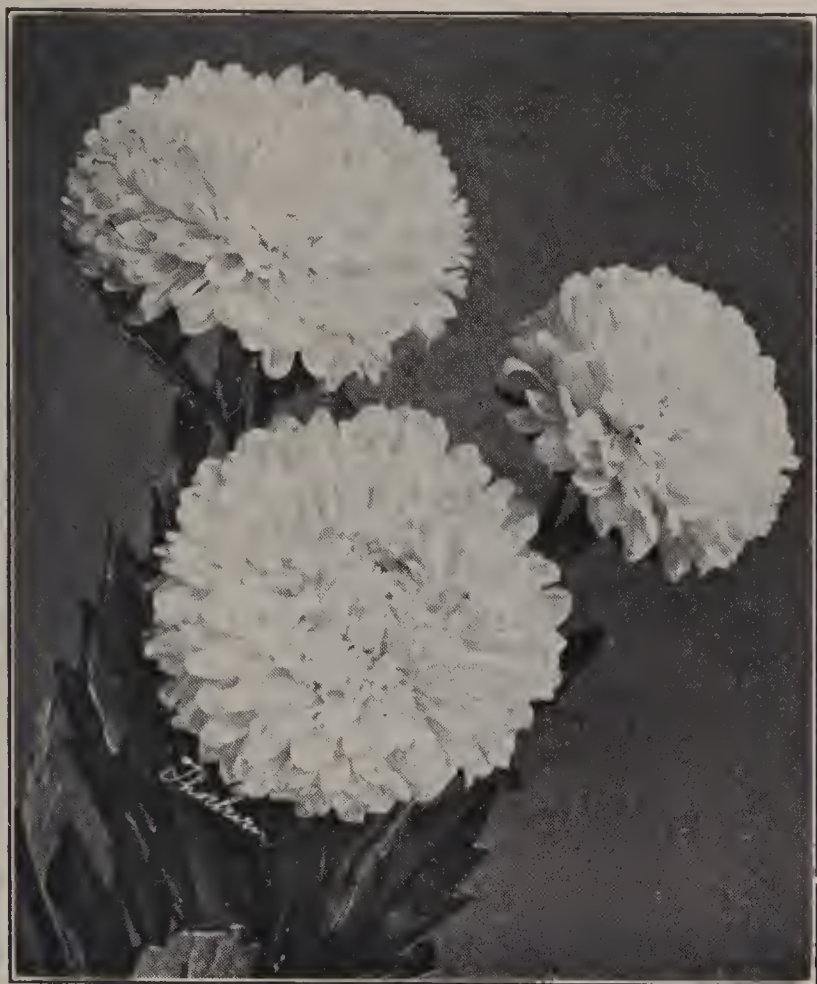
Arctotis

Giant Hybrids. Large, narrow-petaled, Daisy-like flowers in unusual shades of bronze, brown, russet, terracotta, apricot, light and dark yellow, pink, rose, red, mauve and almost scarlet, besides white. 10 to 12 in. Pkt. 15 cts.



Sweet Alyssum. Makes a very effective edging plant.

Plant Wilt Resistant Asters, Save Disappointments



*New Branching Asters
Especially adapted for our climatic conditions.*

Asters

Because of their easy culture and vigorous growth, Asters are deservedly popular. For blooming in September and October, when they flower at their best, sow the seed in the open ground early in May. If earlier blooms are wanted, they may be sown in cold-frames or in boxes or pots in the house. Cover the seeds about $\frac{1}{2}$ inch with rich, light soil. When the plants have three or four leaves, transplant 18 inches apart in beds in which well-decayed (not fresh) manure has been thoroughly incorporated.

**All our Aster Seeds offered are
Wilt Resistant strains**

AMERICAN BEAUTY GIANTS. A recently introduced variety blooming in late September and October. Monster blooms on long stems.

Pkt.	Pkt.
Azure Fairy.....\$0.10	Rose.....\$0.10
Purple......10	Shell-Pink (Sept-
Peach Blossom... .10	ember Beauty)... .10
White......10	Finest Mixed..... .10

GIANTS OF CALIFORNIA. A new late variety of the Crego type; extra long stems, curled and twisted petals, enormous flowers.

Pkt.	Pkt.
Dark Purple.....\$0.10	Peach Blossom...\$0.10
Light Blue......10	White......10
Finest Mixed......10	

NEW BRANCHING. The flowers are like beautiful Chrysanthemums, large, very graceful, produced on long stems, well above the foliage; grand for cutting. Plants extra large and of strong growth; one plant will cover a space $2\frac{1}{2}$ ft. square. By far the most satisfactory grown.

Pkt.	Pkt.
Mixed.....\$0.10	Purple.....\$0.10
White......10	Lavender......10
Pink......10	Rose......10
Crimson......10	

QUEEN OF THE MARKET. A handsome, profuse early blooming class of graceful, spreading habit, producing finely formed, double flowers two or three weeks before most others begin to bloom; extensively grown for cutting. $1\frac{1}{2}$ ft.

Pkt.	Pkt.
Rose.....\$0.10	Pink.....\$0.10
Lavender......10	Crimson......10
Purple......10	White......10
Various Colors Mixed......10	

HEART OF FRANCE ASTER. The best pure red Aster ever introduced. Heart of France opens red as the purest ruby. The flowers are large and full, with never a trace of a hollow center. The stems are long. Pkt. 10 cts.

LOS ANGELES. Lovely soft shell pink blending to creamy-pink; we can heartily recommend. Pkt. 15c.

EARLY ROYAL ASTERS. An early flowering type of our already popular new branching variety, coming into bloom in July or early August. Their free flowering habit makes them desirable for bedding or borders, while their long stemmed flowers are ideal for cutting.

Pkt.	Pkt.
White.....\$0.10	Lavender.....\$0.10
Shell-Pink......10	Purple......10
Deep Rose-Pink.. .10	Mixed......10

CREGO'S GIANT ASTER. A magnificent Aster of the Comet type, but superior to it in every way. It has a branching habit, with very long stems and large flowers. The petals are long and beautifully curled and twisted and includes some of the finest shades. 2 ft.

Pkt.	Pkt.
Rose-Pink.....\$0.10	Shell-Pink.....\$0.10
Lavender......10	Purple......10
White......10	Mixed......10

California Giant Sunshine. This fascinating new type of Aster has blooms 4 inches or more across, and are composed of a single row of loosely placed outer petals which contrast charmingly with the unique yellow central disc. Its stems are long and strong, the plants grow from 2 to 3 feet high, and the range of color is superb. **Finest Mixed**.....Pkt. 15 cts.

CHINA ASTER. This is a mixture of many fine sorts and all colors.

Fine Mixed.....Pkt. 10 cts.

SINGLE SOUTHCOTE BEAUTY. Charming free flowering type in many shades, mixed. 2 ft. Pkt. 10 cts.

Balloon Vine

A handsome Summer climber, having small white flowers. 15 feet. Hardy annual. Pkt. 10 cts.

Balsam (Lady's Slipper)

This favorite annual has improved flowers perfectly double and of immense size, rivaling in beauty those of the Camellia. The strain we offer is remarkable for bright and and effective colors. Fine Annual for shade.

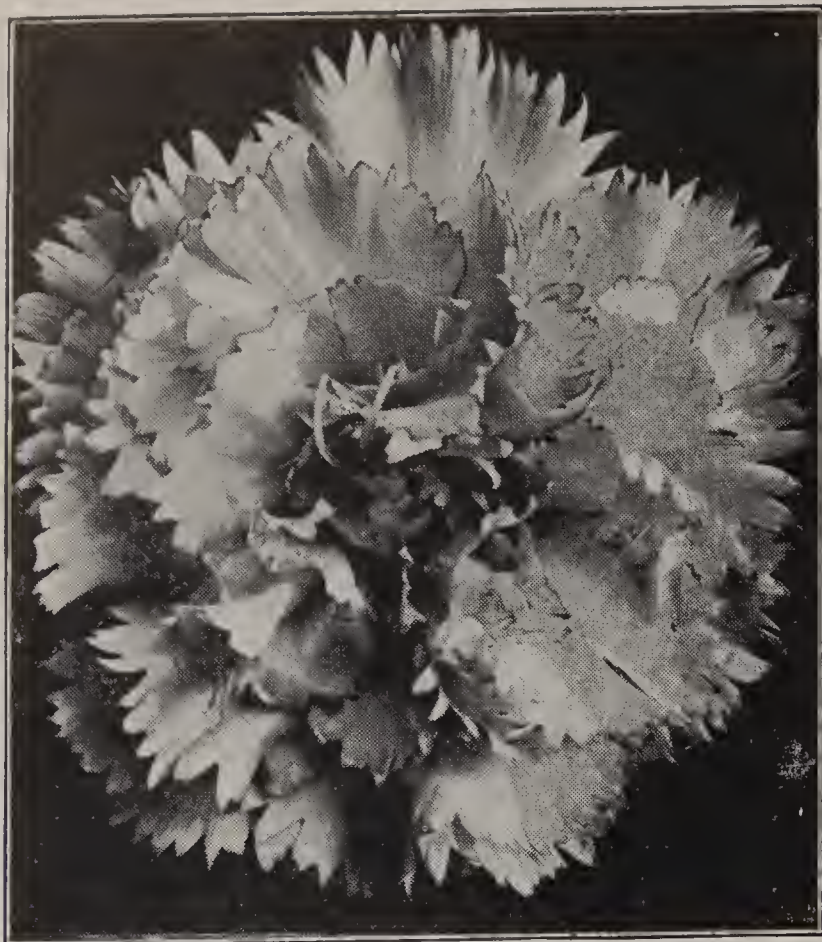
Camellia-Flowered. Choicest mixed varieties. Pkt. 10 cts.
Double Fine. Mixed. Pkt. 10 cts.



Fascinating California Giant Sunshine Asters.

Use "ASTOGEN" when Planting Asters.

Our Collection of Calendulas is Distinctive



Fragrant Annual Giant Marguerite Carnation.

Bartonia

Aurea (Golden Star). Is a native of California, and one of our showiest annuals. It produces large, single, golden yellow flowers which have quite a metallic luster when the sun shines on them. 1 ft. Pkt. 10 cts.

Brachycome (Swan River Daisy)

Free-flowering annuals. Daisylike, pretty blue and white flowers, doing best in warm, dry situations, and makes a thrifty, edging and border plant. 1 ft. Mixed shades, White, Blue and Rose. Pkt. 10 cts.

Browallia (Amethyst)

Elata, Mixed. Bright blue and white flowers mixed. Blooms well in the shade. 1 to 1½ ft. Pkt. 10 cts.

Begonias (Ever-blooming bedding Varieties)

Fibrous-rooted Begonias take rank as bedding plants with Geraniums and Coleus, doing equally well in full sunlight, and surpassing both in position partially or wholly in shade.

Semperflorens (Single Mixed). This mixture contains all colors from pure white to deepest crimson. Pkt. 15 cts.

Cacalia

Coccinea (Tassel-Flower). Free blooming annual; golden yellow and scarlet mixed flowers, blooming from June to September. 1½ ft. Pkt. 10 cts.

Calendula (Pot Marigold)

Ball's Lemon Queen. A reselected strain of shapely clear lemon flowers. Pkt. 10 cts.

Chrysanthemum. The very numerous flowers are bright canary yellow presenting somewhat the appearance of a Japanese Chrysanthemum. Pkt. 15 cts.

Large Flowered. This strain of Calendulas produces flowers of very large size; in two shades, deep lemon and orange-red. Mixed. Pkt. 10 cts.

Orange Fantasy. See page 2.

Ball's Orange King. Valuable hardy annuals, the double, showy, large, dark, double orange flowers, borne from June to November are useful for cutting. Pkt. 10 cts.

Sensation (Campfire) Large, flat, brilliant orange with crimson sheen and slightly lighter colored center. Pkt. 10 cts.

Calliopsis

Showy, hardy plants, with rich, bright-colored flowers blooming through the entire season. Hardy annuals. 2 ft. **Cadwell & Jones' Special Mixed**.....Pkt. 10 cts. **Hybrida Semi-Plena Mixed**.....Pkt. 10 cts.

Campanula, Annual Canterbury Bells

Blooms six months from seed planting. 2 to 2½ ft. tall, 6 to 8 flower spikes per plant. Mixture containing dark and light blues, pink, rose and white. Pkt. 10 cts.

Canary-Bird Flower

There is no more desirable climbing plant in cultivation than this. It is of rapid growth, and produces an abundance of yellow fringed flowers. Half hardy annuals. 10 ft. Pkt. 10 cts.

Candytuft (Iberis)

One of the most popular hardy annuals, almost equal to Sweet Alyssum. Like it, is of the easiest culture. 1 foot.

Giant Hyacinth-Flowered White. Very useful for cutting. Pkt. 10 cts.

Rose Cardinal. Brilliant rosy red. Pkt. 10 cts.

All Colors Mixed. A bright and cheerful mixture. Pkt. 10 cts.

Cardinal Climber

The brilliant scarlet flowers contrast strikingly with the rich green, fringed leaves. Excellent for trellises and pergolas. It grows to a height of about 20 feet on good soil. The hard-shelled seeds should be soaked for a few hours in warm water prior to sowing. Pkt. 10 cts.

Giant Marguerite Carnations

Flowers of extra large size, many beautifully fringed, all delightfully fragrant. Blooms within five months from seed. Fine for beds, borders or pots; a favorite for cutting. For earliest blooms, start seed indoors.

Finest Mixed. Pkt. 15 cts.

Clarkia Double

Long sprays of showy flowers for cutting. 2 to 2½ ft. **Sweetheart.** Deep pink. Pkt. 10 cts.

Finest Mixed. Pkt. 10 cts.

Cleome Pungens (Spider Plant)

A pretty plant with curious heads of pink flowers. Hardy annual. 3 to 4 ft. Pkt. 10 cts.



Calendulas. Useful for cutting and table decoration.

HARDY-PERENNIAL FLOWER SEEDS. See pages 17-18-19—Please.

The New Cosmos Sensation Is Glorious



Chinese Wool Flower
Splendid for GARDEN DISPLAY.

Centaurea **BACHELOR BUTTONS**

Cyanus minor. Also often called Cornflower and Ragged Sailor. One of the finest annuals grown for cut flowers. Blooms all Summer. Hardy annuals.

Mixed. Pkt. 10 cts.

Dark Blue. Finest double. Pkt. 10 cts.

Jubilee (New). Dwarf Double Dark Blue 12 inches Tall. Pkt. 25 cts.

Red Boy (New). Deep Red. A striking shade. Pkt. 10 cts.

Imperialis (Royal Sweet Sultan). Beautiful, sweet-scented flowers borne on long stems, lasting for several days after cutting. Pkt. 10 cts.

(Dusty Miller)

Valuable for ribbon bedding, the silvery whiteness of the leaves being very effective.

Gymnocarpa. A graceful, silver-foliage variety. Pkt. 10 cts.

Chinese Woolflower

A much admired and effective form of the feathered Celosia, growing 2 to 3 feet high, well branched and each branch terminating with a large head or ball of rich flowers of a silky, wool-like appearance, blooming early and lasting till killed by frost. Will keep for weeks when cut, retaining its rich color. Annuals of easiest culture. **Crimson, Dark Pink, Yellow.** Each pkt. 10 cts.

Chrysanthemum

The colors have the appearance of being laid on with the brush, and for this reason they are frequently called "Painted Daisies." Hardy annuals.

Mixed Annual Varieties. Single..... Pkt. 10 cts.

Mixed Annual Varieties. Double..... Pkt. 10 cts.

Golden Crown. See page 2.

Perennial Chrysanthemums. Plants. See page 21.



Centaurea

Early Large-Flowering Hybrids. A selection of the early flowering sorts with larger flowers. July to frost. 4 to 5 ft.

Mixed. Pkt. 10 cts. **White.** Pkt. 10 cts.

Pink. Pkt. 10 cts. **Crimson.** Pkt. 10 cts.

Giant Late-Flowering. Flowers from August to frost. 5 to 6 ft.

Mixed. Pkt. 10 cts.

EARLY-FLOWERING DOUBLE ANEMONE COSMOS

Finest Mixed. Pkt. 15 cts.

COREOPSIS. See Calliopsis.

CUPHEA FIREFLY. See Page 2

We can furnish Korean Hardy Chrysanthemums in all varieties and colors.

Cineraria

One of the most beautiful plants that can be grown for decorative purposes. Seeds should be sown in June and July and plants will be large enough for all purposes in the greenhouse or conservatory during the Spring months.

Dwarf Large-Flowering Mixed. Dwarf, compact habit with immense trusses of large flowers in rich colors. Pkt. 25 cts.

Cobaea

A fine Summer climbing plant, quick growing and bearing large, bell-shaped flowers. In sowing, place the seed edgewise. Half-hardy.

Scandens. Purple. 20 feet. Pkt. 10 cts.

Celosia (Cockscomb)

Cristata. Annual plants of tropical origin, and one of the most satisfactory and showy plants for garden decorations.

Crimson. Pkt. 10 cts.

Dwarf. Mixed. 1 ft. Pkt. 10 cts.

Plumosa Magnifica. (Giant Plumed Cockscomb).

Colorful plants with long, silky plumes. Very effective in beds and borders; useful for cutting. Easily grown in ordinary soil but is at its best in rich, moist loam. Blooms from midsummer until frost. 2½ to 3 ft.

All Colors Mixed. Remarkably fine mixture. Pkt. 10 cts.

Flame of Fire. Spires of brilliant flame scarlet. Pkt. 10 cts.

Coleus

Hybrids Mixed. Ornamental foliage plants used extensively for bedding. Pkt. 15 cts.

Convolvulus (Morning Glory)

All will recognize this most popular annual, for in this tribe is included the well-known Morning Glory. The minor varieties are largely used and well suited for bedding. They attain an average height of 1 foot. Half-hardy annuals.

Japanese Giant. Most beautiful strain, with immense flowers of finest colors and markings and are beyond doubt the handsomest of all Morning Glories. Pkt. 10 cts.

Heavenly Blue. Original early flowering strain. Immense beautiful flowers of bright sky-blue. Seed should not be sown outside till ground is warm. Pkt. 15 cts.

Scarlett-O'Hara. See page 2.

Minor Tricolor Mixed. 1 ft. Beautiful bright flowers suitable for rockwork, edgings. Pkt. 10 cts.

Cosmos

These graceful, Autumn-flowering annuals, with their feathery foliage and their large, showy single flowers, are a delight in the garden and exquisite as cut flowers.

Klondyke Orange Flare. Early flowering color vivid orange, stems are long and well adapted for cutting. Pkt 15 cts.

Sensation. This reselected strain has enormous flowers four to six inches across. It blooms from August until frost.

Pink. Deep rich shade..... Pkt. 20 cts.

White. Pure and glistening..... Pkt. 20 cts.

Mixed. Pink and White..... Pkt. 20 cts.



Cosmos



*Gaillardia—Blanket Flower
Brilliant Showy Annuals*

Cynoglossum (Chinese Forget-me-not)

Amabile. Forget-me-not-like flowers throughout the Summer months. Pkt. 10 cts.
Firmament. See page 2.

Daisy (Bellis perennis)

Charming little plants for edging and borders.

Giant Double White.....Pkt. 10 cts.
Giant Double Red.....Pkt. 10 cts.
Giant Double Pink.....Pkt. 10 cts.
Giant Double Mixed.....Pkt. 10 cts.

Didiscus

Coerulea (Blue Lace Flower). Hardy annual producing lacey, beautiful, sky-blue flowers from July to frost. Desirable as a cut flower. Plants about 18 in. high. Pkt. 10 cts.

Dracaena

Indivisa. Narrow green leaves valuable for vases and house decoration. Pkt. 10 cts.

Eschscholtzia (California Poppy)

Very profuse blooming plants of extremely rich and beautiful colors. 1 foot. Hardy annuals.

Grand Mixture. Single and semi-double. All colors. Pkt. 10 cts.

FORGET-ME-NOT. See **Myosotis**. Page 19.

Euphorbia

Strong growing annuals suitable for beds or mixed borders, with showy bracts that simulate flowers. 2 to 3 ft.

Heterophylla (Annual Poinsettia). Brilliant carmine bracts. Pkt. 10 cts.

Variegata (Snow on the Mountain). Attractive foliage veined and margined with white. Pkt. 10 cts.

Gaillardia (Blanket Flower)

Beautiful, showy plants, natives of this country, presenting quite a diversity of color. Hardy annuals.

Double Lorenziana. Pkt. 10 cts.

Indian Chief. A superb variety. Dark Red flowers remaining in flower from June to October. Pkt. 10 cts.

Grandiflora. Perennial. See page 18.

Gerbera (Transvaal Daisy)

Jamesoni Hybrids. New hybrids with a wonderful range of color from pure white through orange, salmon, rose, cerise to ruby red and violet. Pkt. 20 cts.

Dianthus (Pinks)

The China Pinks are deservedly very popular. They comprise many distinct and most beautiful marked varieties of rich and varied colors. They blossom continually all Summer and Fall, until overtaken by severe frost. The plants grow generally 10 to 15 inches high, and are of the easiest cultivation. Hardy annuals.

China, or Indian Pink. Fine, double mixed. Pkt. 10 cts.

Japanese Pink. Finest single mixed in great variety. Pkt. 10 cts.

Laciniatus Spensens. Large single fringed crimson flowers with white eye. Pkt. 10 cts.

Sweet Wivelsfield, Double, Mixed (New). Resembles Sweet William. Excellent for cutting. Pkt. 10 cts.

Dahlia

Single. Many of the varieties of these single Dahlias are exceedingly beautiful, and the seed we offer, saved from one of the best collections extant, may be expected to produce many distinct desirable sorts. Pkt. 10 cts. See page 4 for **Dahlia Roots**.

Double Large Flowering. Saved from a superb collection containing a very varied range of colors. Pkt. 15 cts.

Unwin's Dwarf Hybrids Mixed. Miniature double and semi-double flowers in many colors. Easily raised from seed in one season. Fine for cutting and garden decoration. 18 to 24 in. Pkt. 10 cts.

Datura

Wrightii Angel's Trumpet. Blue-green foliage, purple stems, large Lily-like white flowers—fragrant. Sow early under protection. 3 ft. Pkt. 15c.

Dimorphotheca (South African Daisy)

Aurantiaca Hybrids. Rare and beautiful salmon, orange and gold shades mixed. Pkt. 10 cts.

Gilia Capitata (Queen Anne's Thimble)

Neat heads of sky blue flowers on long stems. Good for cutting. 3 ft. Pkt. 10 cts.

Tricolor (Bird's Eyes). Pretty little edging flowers in various shades of lilac and pink with distinct eyes. 1 ft. Finest mixed. Pkt. 10 cts.

Globe Amaranthus

Remarkably handsome. Everlasting. The flowers may be cut in Summer and preserved for Winter bouquets. Hardy annuals.

Purple. 2 ft.....Pkt. 10 cts.

Mixed. All colors.....Pkt. 10 cts.

Gloxinia

Hybrida grandiflora. Greenhouse plants producing magnificent flowers of the richest colors. Thrives best in mixture of peat loam and sand. Pkt. 35 cts.

Godetia (Satin Flower)

Worthy of extended cultivation, their delicate tints of purple and pink have long made them favorites in English gardens, although natives of America. Hardy annuals.

New Tall Varieties Mixed. Pkt. 10 cts.

Gourds (Ornamental)

All of this climbing genus are of rapid growth, and produce fruit of peculiar and varied forms. Tender annuals.

Bottle-Shaped.....Pkt. 10 cts.

Calabash Pipe.....Pkt. 10 cts.

Dish-Cloth.....Pkt. 10 cts.

Dipper.....Pkt. 10 cts.

Egg-Shaped.....Pkt. 10 cts.

Hercules, Club. A curious sort.....Pkt. 10 cts.

Pear-Shaped. Ringed.....Pkt. 10 cts.

Orange. Fruit resembles an orange.....Pkt. 10 cts.

Spoon Shaped.....Pkt. 10 cts.

Sugar Trough.....Pkt. 10 cts.

Mixed.....Pkt. 10 cts.

Grasses, Ornamental

Valuable for their various colored foliage, some varieties for flowers. Many sorts are useful in masses on lawns and in gardens. **Mixed**.....Pkt. 10 cts.

Plant Some of the Fascinating Giant Tulip Poppies for Cutting



Helichrysum
Large Everlasting Flowers.

Grevillea

Robusta (Silk Oak). Very graceful and decorative evergreen for pot plants, easily raised from seed. Pkt. 10 cts.

Gypsophila (Babysbreath)

Graceful plants, with tiny flowers produced in abundance in loose panicles. Excellent for their delicate effect in bouquets.

Grandiflora alba. Flowers pure white. Pkt. 10 cts.

Helichrysum (Everlasting or Straw Flower)

Flowers mostly used for Winter bouquets, for which purpose they are cut before blooms are expanded and dried in the shade. Hardy annuals.

Monstrosum. Double. The brightest colors mixed. Pkt. 10 cts.

Fireball. Intense red. Pkt. 10 cts.

Helianthus (Sunflower)

Cucumerifolius Stella (Single Miniature Sunflower). Small, single, rich yellow flowers. Plants about 4 ft. tall. Pkt. 10 cts.

Excelsior Miniature Hybrids Mixed. Art-shades of red, purple, brown, lemon. Pkt. 10 cts.

Heliotrope

A universal favorite on account of its delightful fragrance; a half hardy perennial flowering during the entire season. Seeds started indoors in early Spring will make fine plants for Summer blooming. Can also be sown outdoors in May.

Giant Hybrids. Mammoth sweet-scented flowers in great variety. Pkt. 10 cts.

Humulus Japonicus (Japan Hop)

Very ornamental and rapid growing climber with handsome, finely cut foliage, which does not suffer from heat or the attack of insects. 15 to 20 ft. Hardy annual.

Green Foliage Pkt. 10 cts.

Variegated Foliage Pkt. 10 cts.

Hunnemannia (Giant Tulip Poppy)

Seed may be sown in May and will flower first season. Foliage is finely cut, similar to California Poppy.

Sunlite. Pure Yellow semi-double. Pkt. 15 cts.

IBERIS. See **Candytuft.**

GARDEN GUIDE. (Amateur Gardener's Handbook). The best book for the novice. Explains every step in gardening from plowing the soil to storing the products. Beautifully illustrated. Revised up-to-date, 576 pages. 300 teaching illustrations. Price \$2.15 Postpaid.

Ice Plant

Trailing plant, the leaves and stems are covered with crystalline globules, giving it the appearance of being covered with ice. Half-hardy annuals. ½ foot. Pkt. 10 cts.

Impatiens

Holsti Hybrids (Sultan Balsam). Charming plants for table decorations. Do well in a semi-shady location during the Summer. 18 in. Pkt. 15 cts.

Ionopsidium acaule (Violet Cress)

This tiny plant with pale lilac flowers blooms in the rock garden from June to October. 4 in. Pkt. 10 cts.

Ipomoea

Noctiflora hybrida (Moonflower Vine). Large, fragrant white flowers. Pkt. 10 cts.

Kochia (Summer Cypress)

Trichophylla (Mexican Firebush). Pretty little bushes of pyramidal shape, foliage delicate green, turning bright red in autumn. Excellent for temporary Summer hedge. Pkt. 10 cts.

Lantana

One of the most desirable half-hardy perennial greenhouse or bedding plants, constantly in bloom; Verbena-like heads of orange, white, rose, and other colored flowers; 2 to 3 ft. Mixed colors. Pkt. 10 cts.

Larkspur (Annual Delphinium)

The graceful spikes of these hardy annual-flowers are excellent for cutting, and garden decoration.

Giant Imperial. Choice mixed. 4 ft. Pkt. 10 cts.

Carminc King. Deep carmine rose. Pkt. 10 cts.

Exquisite Pink. Soft pink. Pkt. 10 cts.

White Spire Dazzling Pure White. Pkt. 10 cts.

Blue Spire. Dark blue. Pkt. 10 cts.

Blue Bell. Sky Blue. Pkt. 10 cts.

Dwarf Rocket Double Branching. Choice mixed. Pkt. 10 cts.

Linaria Fairy Bouquet

Free flowering plants compact, about eight inches high, covered with Snapdragon-like flowers of all the popular pastel shades. Pkt. 10 cts.

Linum (Flowering Flax)

The garden varieties of this are conspicuous for their brilliant colors. Hardy annuals.

Grandiflorum rubrum. Brilliant dark scarlet. Pkt. 10 cts.



Kochia—Firebush for Annual Summer Hedges

Try the New American Beauty Marigolds!

Lobelia

Low-growing plants, admirably adapted for the front lines of ribbon borders, and for vases and hanging baskets. Half-hardy annuals.

Erinus Crystal Palace compacta. A compact, deep blue variety. 2 ft. Pkt. 10 cts.

Lupine

Hartwegi, Giants Improved. Easily and quickly grown annuals. 3 to 4 ft., branching with 4 to 6 flower spikes. Mixed. Pkt. 10 cts.

Marigold

The African varieties are stronger in habit, and produce larger flowers than the French sorts. The striped varieties vary considerably in their markings; they are sometimes blotched or striped and sometimes beautifully gold-laced. The African is the tallest and most striking in large beds, while the French varieties are admirably adapted for small beds or as a foreground to taller plants. Half-hardy annuals.

African Quilled. Orange, lemon and gold mixed. 3 ft. Pkt. 10 cts.

American Beauty (Incurved) This startling new form of Marigold is very lovely. The color range is orange, golden orange and yellow. Mixed. Pkt. 25 cts.

Collarette Crown of Gold. (New) Chrysanthemum like top of crown surrounded by a collar, delicate fragrance. 2 ft. Pkt. 15 cts.

Gigantea Sunset Shades. Very large flowers of varied forms in a wide range of shades of orange and yellow. Pkt. 15 cts.

Guinea Gold. Graceful semi-double flowers, broad wavy petals, brilliant shade of orange flushed with gold. Pkt. 10 cts.

Yellow Supreme. Dazzling lemon-yellow honey fragrance, long standing cut-flower. Profuse early blooming. Pkt. 10 cts.

Dwarf African Queen. Pyramid plants only 18 inches high, large double flowers mixed. Pkt. 15 cts.

Harmony-French Double. Beautiful new dwarf Marigold. 1 ft. tall and 2 ft. across. Pkt. 15 cts.

French Dwarf Monarch Strain. Orange, brown and yellow. Mixed. 1 ft. Pkt. 10 cts.

Legion of Honor (Little Brownie). Single golden yellow with a large spot of crimson velvet. 1 ft. Pkt. 10 cts.

ROYAL SCOT. See page 2.

Tagetes Signata Pumila. First class border plant, 9 in. tall, flowers bright golden yellow. Pkt. 10 cts.

For Pot Marigold, see Calendula.



*Marigold Sunset Giant
Fine for Cutting and Show Garden*



*Mignonette—No garden is complete without
a bed of Mignonette*

Mignonette

The Mignonette (*Reseda odorata*) is universally a favorite on account of its delicate fragrance. Thin the plants to 6 inches apart, and pinch off the tops when 2 inches high; this will make the plants stronger with larger flower spikes. Hardy annuals.

Large-Flowering. The old favorite, sweet-scented variety. Pkt. 10 cts.

Machet. A French variety, with broad spikes of fragrant, red flowers. Pkt. 10 cts.

Marvel of Peru (Four o'Clock)

The flowers—red, white, yellow and variegated—grow in clusters to the summit of the stem. They are exceedingly fragrant, expanding in the evening and withering in the morning. The roots may be preserved through the Winter, like Dahlias. Hardy annuals.

Finest Mixed. 2 ft. Pkt. 10 cts.

MORNING GLORY. See *Convolvulus*, page 9.

Nemesia

Strumosa Suttoni. Large heads of beautiful red, white, pink, and yellow flowers, 1 foot. Fine mixed. Pkt. 10 cts.

Blue Gem Improved. A charming dwarf variety with pure blue flowers. Pkt. 15 cts.

Nicotiana (Tobacco Plant)

Flowers borne in clusters, long, tube-shaped, opening toward evening and emitting a powerful and pleasant odor.

Affinis. White. 3 ft. Pkt. 10 cts.

Crimson Bedder. The blooms are a rich lustrous wine-red and are borne in great profusion. 15 in. Pkt. 10 cts.

Nigella (Love-in-a-Mist)

An interesting hardy annual with curious double flowers nestling in its feathery, bright green foliage. 1 foot.

Miss Jekyll. Blue. Pkt. 10 cts.

NIEREMBERGIA Hippomanica. See page 2.

HARDY-PERENNIAL FLOWER SEEDS. See pages 17-18-19—Please.

Double Gleam Nasturtium Should Be in Every Garden

Nasturtium

Nasturtiums are valuable Summer flowering plants for the reason that they require but little care and stand heat and drought well. Seed sown in the Spring in any fair garden soil not too rich, will produce a profusion of blooms. The colors include all the shades of yellow and scarlet, often spotted and striped. The leaves of some are very light, transparent green, while in others they are very dark, almost purplish. Hardy annuals.

Glorious Gleam Hybrids

All American Gold Medal Winners.

Double Gleam Hybrids Finest Mixed Sweet-Scented—Evenly balanced blend of brilliant shades on long stems. Pkt. 10 cts., oz. 25 cts.

Double Golden Gleam Sweet-Scented. Large double golden yellow flowers on long stems. Pkt. 10 cts., oz. 25 cts.

Double Scarlet Gleam Sweet-Scented. Dazzling in color, delightfully sweet-scented extra large lovely flowers. Pkt. 10 cts., oz. 25 cts.

Double Orange Gleam. Deep glowing orange. Sweet-scented and fine for cutting. Pkt. 10 cts., oz. 40 cts.

Dwarf Double Gem Mixture. Dwarf and compact totally without runners. Add charm to your garden with Dwarf Gem Nasturtiums. Pkt. 10 cts., oz. 40 cts.

TOM THUMB NASTURTIIUMS

The Dwarf or Tom Thumb Nasturtiums are unrivaled in beauty and effect. Thrive in poor soil; useful for bedding. 12 inches high. **Cadwell & Jones Splendid Mixed.** Our own Mixture. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

TALL NASTURTIIUMS

Cadwell & Jones Splendid Mixed. Our own Mixture. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Pansies

The Pansy is very popular and too well known to need description. Seed sown from the middle of July to the middle of August and protected through the Winter in coldframes or with a light covering of litter will greet you in the earliest Spring with a profusion of blossoms. When sown in the Spring get it in as early as possible, either in a hotbed or in the open.

Cadwell & Jones' Splendid Mixed. A superior mixture, selected from choice, large flowering strains of English and French growers. Pkt. 15 cts.

Empire Strain Pansy. This unexcelled mixture represents the highest perfection of large flowering, new high-colored sorts. Their brilliancy and richness are most striking. Pkt. 25 cts.



Pansies. Highly esteemed for their beauty and great variety of colors



**New Gleam Hybrid Nasturtiums
Double Varieties**

Engelmann's Giant Finest-Mixed. Vigorous compact growing, early flowering, large flowers containing a great variety of rich colors. Pkt. 25 cts.

NEW, ALL YELLOW PANSY CORONATION GOLD.
See Page 2

IMPROVED SWISS GIANTS

Alpenglow. Color a rich velvety garnet; varies. Pkt. 20 cts.

Berna. Dark violet blue. Pkt. 20 cts.

Lake of Thun (Ullswater). Distinct rich deep ultramarine blue. Ideal for bedding. Pkt. 20 cts.

Rheingold. Golden yellow with splendid deep brown blotches. Pkt. 20 cts.

Swiss White. Snowy white. Pkt. 20 cts.

Swiss Giants Mixed (Roggli Hybrids). Very attractive blotched colors of unusually robust habit. Pkt. 20 cts.

Shakespeare's Pansies. Quaint little flowers, unimproved since the Days of the Bard of Avon, in many tints. Pkt. 25 cts.

TUFTED PANSIES. Violas, see page 19.

Pentstemon

Grandiflora Mixed. Seed sown in February or March will make a fine display the same season. 2 to 3 ft. Pkt. 15 cts.

Blue Gem. Hardy. See page 19.

Phlox drummondii

These flowers are of extreme beauty, and are greatly admired by all. Their long duration in bloom combined with their almost unequalled richness of color renders them of invaluable service in the general flower garden, and a finer sight than a bed of Phlox drummondii is rarely to be seen. Half-hardy annuals.

Grandiflora. A much improved strain with very large flowers in great variety of colors.

Finest Mixed. Pkt. 10 cts.

Alba. Pure white. Pkt. 10 cts.

Bright Rose. Pkt. 10 cts.

Brilliant. Bright scarlet. Pkt. 10 cts.

Black Warrior. Dark crimson. Pkt. 10 cts.

Gigantea. Art Shades Mixed. Absence of harsh colors in this wonderful mixture should appeal to those who are looking for soft color effects. Pkt. 25 cts.

PHLOX decussata. Hardy perennial, see page 19.

Use Naphthaline Flakes for Protection against Aphis when planting Nasturtiums.



Petunias—For outdoor decoration or window boxes few plants equal Petunias in effectiveness

Modern Petunias

Favorite plant, succeeding well in any soil. For the brilliancy and variety of their colors, abundance of flowers and the long duration of their blooming period, they are indispensable in any garden.

Giant Ruffled Type

California Fringed Ruffled Giants. Enormous flowers, having edges of petal beautifully ruffled and fluted. Pkt. 25 cts.

New Dwarf California Giants. A fine strain of Giant Petunias, suitable for pot culture, large, open throats well marked and veined. Pkt. 25 cts.

Martha Washington. Blush pink at the edges, dark violet in throat, heavy veining, 9 in. tall, excellent for bedding, border and window boxes. Pkt. 25 cts.

Single Fringed Type

Dainty-Lady. Light golden yellow fringed. Pkt. 25 cts.

Lace Veil. Pure white very fringed, dwarf. Pkt. 25 cts.

Theodosia. Rose, golden center. Fringed. Pkt. 25 cts.

White Beauty. Large white. Fringed. Pkt. 25 cts.

Double Fringed Type

Victorious. All Double Giant Fringed Mixed. Famous new strain. 100% double. Pkt. 50 cts.

Double Large-flowering. Fringed. Mixed. Pkt. 25 cts.

Single Large Flowered Plain Edge

Elks Pride. Large velvety violet. Pkt. 25 cts.

Purple Prince. Large rich purple. Pkt. 25 cts.

Steel Blue. Soft pure blue. Large veined. Pkt. 25 cts.

Single Hybrid Type (Dwarf)

Rose of Heaven. Brilliant clear rose valuable for bedding, also as potted plants for greenhouse and conservatories. Pkt. 10 cts.

Rosy Morn. Bright pink shade for bedding. Pkt. 10 cts.

Silver Blue. Heavenly blue. Lively shade. Pkt. 10 cts.

Snowball. A dwarf compact variety, producing satin white flowers. Pkt. 10 cts.

Single Hybrid Type (1½ Ft.)

Balcony Type. A free-flowering type for window boxes, vases, hanging baskets. Mixed. Pkt. 10 cts.

Striped and Blotched. Extra fine mixed. Pkt. 10 cts.

Topaz Rose. Velvety rose with topaz center. Pkt. 25 cts.

Violacea. Very deep violet. Pkt. 10 cts.

Miniature Type

Miniature Rose Gem. Plants grow 6 inches tall, with masses of lovely rose blooms. Pkt. 20 cts.

Poppies

Showy and easily cultivated hardy annuals, with large and brilliantly colored flowers, and growing freely in any garden soil, producing a fine effect in large clumps or mixed beds. Sow early in the Spring where they are to remain, as they will not bear transplanting. 2 feet.

Carnation-flowered. Double mixed. 2 ft. Pkt. 10 cts.

French, Ranunculus-flowered. Double mixed. 2 ft. Pkt. 10 cts.

Shirley. These are generally single or semi-double; color extending from pure white through the most delicate shades of pale pink, rose and carmine to deepest crimson. Pkt. 10 cts.

White Swan. The flower is of fabulous size, very double, lacinated, of the purest possible white. Pkt. 10 cts.

Portulaca (Sun Plant)

Hardy annuals of the easiest culture, luxuriating in an exposed sunny situation, and producing flowers of almost every hue in the greatest profusion. ½ ft.

Splendid Mixed. Single, all colors. Pkt. 10 cts.

Large-flowering. Double mixed. Pkt. 10 cts.

Rhodanthe (Swan River Everlasting)

Charming annual, succeeds in a light rich soil and a warm, sheltered situation; valuable pot plant. 1 ft. Mixed colors. Pkt. 10 cts.

Ricinus (Castor Oil Bean)

Gibsoni. Handsome, deep red foliage. Pkt. 10 cts.

Sanguineus. Leaves green, stalks blood red, showy red fruit. 8 ft. Pkt. 10 cts.

Zanzibariensis. The leaves of this variety attain a gigantic size, measuring 2 to 2½ ft. across, and include light and dark green and coppery-bronze colors. 12 to 14 ft. high. Pkt. 10 cts.

Rudbeckia (Coneflower)

Bright, daisy-like annuals which grow quickly from seed.

Kelvedon Star. The blooms of this plant have dark brown centers surrounded by a zone of shining mahogany on deep orange petals. Splendid flowers for cutting and for bedding. Pkt. 25 cts.

Salpiglossis

Beautiful funnel-shaped flowers, curiously veined and marbled. Half-hardy annuals.

Large-flowered. Finest mixed. 3 ft. Pkt. 10 cts.

Dwarf Khaki Yellow. (New). Compact branching plants. Flowers yellow, with brown penciling. 2 ft. Pkts. 25 cts.



Poppies—Charming Flowers for the Sunny Garden

Torenia Fournieri, The Blue Wing Flower, is an Ideal Edging Plant

Salvia (Flowering Sage)

One of the most beautiful of all flowers; brilliant spikes of scarlet flowers produce for months a dazzling effect. Half-hardy perennials.

Farinacea (The Blue Salvia.) Blue bedder. Pkt. 10 cts.
Splendens Bonfire. Vivid scarlet. Pkt. 10 cts.

Sanvitalia

Procumbens Fl. Pl. (Creeping Zinnia). 6 in., tiny double golden yellow flowers, borne in profusion. Useful in the rock garden, for edgings and for miniature bouquets. Pkt. 10 cts.

Scabiosa

Mourning Bride, or Sweet Scabious. The flowers are quite double and globular; varying in all shades of white, carmine, maroon, lilac. Cadwell and Jones splendid mixed. 1 ft. Pkt. 10 cts.

Blue Cockade. Pleasing conical heads deep azure blue. Pkt. 10 cts.

Rosette (New). Large deep rose. Pkt. 15 cts.

Salmon Beauty (New). Very large flower heads. Rich salmon shade. Pkt. 15 cts.

Shasta Pure White. Pkt. 10 cts.

Schizanthus

(Butterfly, or Fringe Flower)

Erect growing for the house or garden. Noted for its wonderful variety of coloring. Of easy culture; its peculiarly shaped and oddly marked flowers fine for cutting.

Hybridus grandiflorus. Finest mixed. Pkt. 15 cts.

Wisetonensis. One of the finest large flowered sorts, colors ranging from pink with brown center to white, yellow center. Excellent for pot plants. Pkt. 15 cts.

Sedum Coeruleum

(Annual Blue Stonecrop). 4 in. A dainty plant for the rock garden. Pkt. 15 cts.

Snapdragon (Antirrhinum)

An old border plant with dark and glossy leaves and large, curiously shaped flowers, with finely marked throats. They have been much improved of late years by careful selection. They blossom the first season from seed sown in Spring. Tender perennials.

Maximum or Super Giants. Rust Resistant. A new strain of tall growth, producing gigantic flowers. 3 ft.

Finest Mixed. Pkt. 10 cts.

Appleblossom. Soft pink. Pkt. 10 cts.

Canary Bird. Canary yellow. Pkt. 10 cts.

Copper King. Bronzy copper color. Pkt. 10 cts.

Old Gold. Rose on yellow ground. Pkt. 10 cts.

Snowflake. Dazzling white. Pkt. 10 cts.

The Rose. Rich rose pink. Pkt. 10 cts.

Nanum Grandiflorum. Half-dwarf (rust proof). Finest mixed. Pkt. 10 cts.

Stocks, Gilliflower (Ten Weeks)

All the varieties are desirable as pot plants as well as in the open garden. They are greatly prized for cut flowers on account of their fragrance and diversity of colors. Sow at intervals from the beginning of March to the end of May. Half-hardy annuals.

Large Flowering Ten Weeks.

	Pkt.
Brilliant Rose	\$0.10
Pure White10
Blood-Red10
Violet10
Finest Mixed10

Statice Annual

Bonduelli. Popular flowers used extensively by florists. Bright yellow. 24 in. Pkt. 10 cts.

Sinuata rosea superba.

Bright rose. Pkt. 10 cts.

Sinuata True Blue. Rich blue. Pkt. 10 cts.



Snapdragon

Our Strains Are Unexcelled

"Surprise Packet" Flower Seeds

This mixture of flower seeds is a source of great curiosity and is specially suitable for children's gardens. There are so many different kinds of flowers in it that it produces a mass of bloom continuously from early Summer until frost. Pkt. 10 cts., oz. 25 cts.

Thunbergia

Ornamental, free blooming climbers, of rapid growth, with yellow, orange and tan-colored flowers; good for greenhouses or window boxes.

Finest Mixed. Pkt. 10 cts.

Tithonia—Mexican Sunflower

Speciosa Fireball. Dazzling as a ball of fire. Scarlet orange flowers on 12 in. stems. Plants grow 6 ft.-8 ft. Pkt. 15 cts.

Torenia

Fournieri. (Blue Wing Flower.) Charming flowers for edgings and rock gardens. The two-winged blue flowers with yellow throats are useful in miniature bouquets. 9 in. Pkts. 15 cts.

Verbena

Verbenas are more easily obtained from seed than from cuttings. Sown in Spring they flower quite early in the season, and a single plant in rich soil will cover a space 4 feet in diameter.



Scabiosa

Ideal Cut-Flower on Long Stems

Gigantea Apple Blossom. White edged cameo-pink. Flower clusters 4 in. across. Pkt. 25 cts.

Mammoth Extra Fine Mixed. Pkt. 10 cts.

Blue, White Eye..... Pkt. 10 cts.

Luminosa Flame Pink..... Pkt. 10 cts.

Purple..... Pkt. 10 cts.

Scarlet..... Pkt. 10 cts.

White..... Pkt. 10 cts.

Vinca (Madagascar Periwinkle)

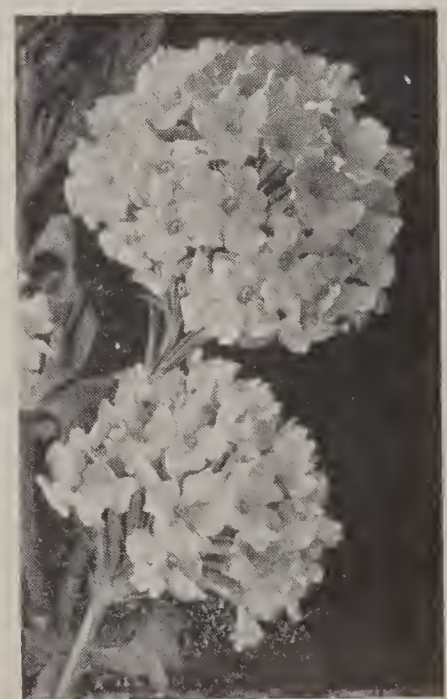
Dark green foliage, flowering the first year from seed when started early. Excellent for borders and bedding out. Pretty pink and white flowers. 1 ft.

Bright Rose..... Pkt. 10 cts.

Pure White..... Pkt. 10 cts.

Venidium—Fastucsum

Hybrids. Beautiful assortment of pastel shades—buff, lemon, cream, light orange, white and butter-yellow; each petal blotched at the base. Pkt. 15 cts.



*Mammoth Verbenas
Blooms Abundantly
Entire Season*

GIANT SPENCER SWEET PEAS

In view of the ever-increasing number of new Sweet Peas, we take pleasure in offering the following select up to date list for general garden use.

Use Nodogen for prize Sweet Peas. See page 45.

Prices, all varieties:

Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Ambition. Rich deep lavender.
Avalanche. Immense glistening White.
Beauty. Vigorous blush pink.
Charming. Brilliant shade, deep-cerise.
Damask Rose. Bright rose-carmine.
Flamingo. Orange scarlet sun-proof.
Geo. Sawyer. Giant orange pink.
Gleneagles. Beautiful tone of light blue.
Magnet. Richest, brightest and best cream pink.
Mayfair. Largest shell pink on white ground.
Olympia. Immense rich purple.
Pinkie. Large frilled rose pink.
Pirate gold. Distinct golden orange.
Powerscourt. Popular clear pure lavender.
Red Boy. The very best crimson.
Sextet Queen. Pure white flowers, perfect form.
Smiles. Exquisite clear glistening salmon.
Sunkist. Dainty cream rose edge.
What Joy. Frilled deep cream.
Welcome. Brilliant dazzling scarlet.
Youth. Large white ground picotee pink.
SWEET PEA BRUSH. 4 to 6 feet.



Sweet Peas are unexcelled for cut flowers and bouquets

CADWELL & JONES' GIANT SPENCER VARIETIES, MIXED
 The best of the Spencers in a selected mixture. Without an equal and cannot fail to give satisfaction.
 Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., $\frac{1}{2}$ lb. \$1.00, lb. \$1.75.

Sweet Peas, Early Flowering

Prices All Varieties:

Pkt. 10 cts., oz. 50 cts.

Annie Laurie. Rich pure rose pink.
Balls Rose Improved. Deep rose pink.
Blue Bonnet. Fine clear blue.
Exposition Pink. Gorgeous rich pink.
Jeanne Mamitsch. Rose pink, long stems.
Hope. Pure black seeded white.
Lady Gay. Soft shrimp pink.
Lavanda. Pure clear lavender, excellent.
Majestic Rose. Brilliant rose pink.
Mrs. Herbert Hoover. Bright blue, long stems.
Red Bird. Bright crimson red.
Snowstorm Improved. Desirable white.
Valencia. Bright sunproof orange.

Early-Flowering Spencers—Finest Mixed. A choice well blended mixture. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00.

Wild Cucumber

Annual climber. 20 ft. Pkt. 10 cts.

CADWELL AND JONES MODERN ZINNIAS

California Giants

The flowers are very large and flat with long stems giving a graceful effect.

All varieties 10 cts. per pkt.

Cerise Queen. Beautiful rose.

Enchantress. Light rose.

Lemon Queen. Golden yellow.

Lavender Gem. Deep lavender.

Miss Wilmott. Soft pink.

Orange-King. Orange scarlet.

Purity. Finest white.

Rose Queen. Bright rose.

Scarlet Gem. Deep scarlet.

Violet Queen. Deep purple.

California Giants. Mixed.

Fantasy, Finest Mixed.

Color range includes the brightest shades of red and orange as well as the popular pinks. The rounded flowers are composed of a mass of shaggy petals. Pkt. 15 cts.

Picotee Type. The flowers are large and very effective in appearance. Mixed, Pkt. 10 cts.

Scabious Flowered-Mixed. Free flowering includes all the popular color shades useful in artistic flower arrangements. Pkt. 15 cts.



*Giant Dahlia-Flowered Zinnias
 One of the most brilliant annuals for garden decoration and cutting*

Giant Dahlia-Flowered

Enormous Dahlia-like flowers. Finest mixed. All varieties. Pkt. 10 cts.

Crimson Monarch. By far the largest and best red.

Dream. Deep rosy lavender.

Exquisite. Tyrian rose color, with center deep rose.

Golden Dawn. Rich golden yellow.

Oriole. It is an immense orange and gold bicolor.

Polar Bear. The best large, pure white Zinnia yet seen.

Double Lilliput or Pompon. Compact pretty habit 15 inches tall, lavish profusion of flowers on long stems ideal for cutting.

Golden Gem, Rose Bud, Scarlet Gem, Salmon Gem, White Gem.

Mixed. All varieties 10 cts. per Pkt.

Cupid. Tiny, button shaped flowers on neat dwarf plants. Mixed, 12 in. Pkt. 10 cts.

Tom Thumb. Choice double mixed. Pkt. 10 cts.

Linearis. Single striped orange and yellow flowers, with slender foliage. Neat for foreground planting and miniature bouquets. 15 in. Pkt. 15 cts.

Hardy Perennial Flower Seeds

Hardy perennials appeal mostly to people who have not the time to bother with plants that have to be reset every Spring. Hardy plants will increase in beauty each year. Most all perennial seeds planted in the Spring bloom the following year. Seeds planted in August will give excellent results and will bloom the next season.

ACHILLEA, filipendula. Parkers variety. Golden yellow, flat-topped flower heads on stiff 4 ft. stems. Fern-like foliage. Flowers last in Winter bouquets. Pkt. 10 cts.

ACONITUM (Monkshood). Long spikes of helmet-shaped flowers, excellent for shady locations.

Napellus. Dark blue. August and September. 3 ft. Pkt. 10 cts.

AGROSTEMMA coronaria (Mullein pink). Attractive flowering perennial, producing bright crimson flowers. Fine for cutting. 2 ft. Pkt. 10 cts.

ALYSSUM saxatile compactum (Gold Dust). Bright yellow, early Spring flowering. 9 in. Pkt. 10 cts.

ANCHUSA italica, Dropmore Variety (Alkanet). One of our finest blue flowered plants. Blooms in June. Pkt. 10 cts.

Myosotidiflora. Pretty racemes of For-Get-Me-Not like blue flowers. Large oval leaves. Fine rock plant. 6 to 12 in. Pkt. 25 cts.

ANTHEMIS. A very pretty plant, producing Daisy-like, golden yellow flowers all Summer.

Tinctoria kelwayi. Pkt. 10 cts.

AQUILEGIA (Columbine). This flower is one of the earliest of the hardy perennials to bloom. The colors range from pale yellow to purple.

Blue Shades. Long spurred. Pkt. 15 cts.

Clematiflora. See page 2.

Long-Spurred Hybrids. Mixed. Pkt. 10 cts.

Crimson Star. Long Spurred. Pkt. 15 cts.

Longissima (New). Two toned yellow with 5 in. long spurs. R. H. S. award of merit. 2 ft.-3 ft. Pkt. 50 cts.

ARABIS alpina (Rock Cress). Fine rockery and border plant, pure white, flowers from April to June. 6 in. Pkt. 10 cts.

Rosea. Dwarf glossy foliage. Pink flowers 6 in. Pkt. 15 cts.



*Coreopsis
Mayfield Giants*

ARMERIA (Thrift)
lauchiana Dwarf Rose
6 in. Ideal for edgings
and rock gardens. Pkt.
15 cts.

Large flowered Hybrids
(New). Ball shaped
heads of bright flowers
on long stems. Good for
cutting. 16 in. Pkt. 15
cts.

ASCLEPIAS tuberosa (Butterfly Weed). A hardy plant, producing umbels of orange-colored flowers from June to September. 2 ft. Pkt. 10 cts.

ASTER (Michaelmas Daisies)
Perennial sorts. Single
hardy plants thriving in
any good garden soil. 3
ft. Pkt. 15 cts.

AUBRIETIA (Rainbow
Rock Cress). Large flower-
ing hybrids. Beautiful
dwarf rock plants. Bright
flowers 6 in. tall. Pkt.
15 cts.

BAPTISIA australis (False
Indigo). Handsome
bright blue flowers on
spikes 6 inches long. 3
ft. Pkt. 15 cts.

BOLTONIA latisquama
(False Camomile).
Showy, hardy, with large
clusters of lavender,
pink, daisy-like flowers.
5 ft. Pkt. 15 cts.

CAMPANULA carpatica.
Erect blue flowers useful
for borders or rockery.
9 in. Pkt. 10 cts.

carpatica alba. Erect white flowers. Pkt. 10 cts.

CAMPANULA (Bellflower).

Medium (Canterbury-bells). Biennial. Plants grow in pyramidal form, bearing in profusion large bell-shaped flowers.

Single Flowering: Blue, pkt. 10 cts., **White,** pkt. 10 cts.; **Pink,** pkt. 10 cts; **Fine Mixed,** pkt. 10 cts.

Double Flowering, Finest Mixed. 3 ft. Pkt. 10 cts

Calycanthemum (Cup-and-Saucer). Finest mixed. Pkt. 10 cts.

C. persicifolia grandiflora caerulea. (Peach Bells). Deep blue; extra long, erect stems. 2 ft. Pkt. 10 cts.

C. persicifolia grandiflora alba. Pure white. 2 ft. Pkt. 10 cts.

CANDYTUFT sempervirens. The evergreen Candytuft, with glossy, deep green foliage and white flowers. Pkt. 10 cts.

CARNATION Picotee. Fine double mixed. A splendid strain of double Picotee; edges of petals bordered with various colors. Pkt. 10 cts.

CENTAUREA montana (Perennial Cornflower). Large violet-blue flowers. July to Sept. 2 ft. Pkt. 10 cts.

CERASTIUM tomentosum (Snow-in-Summer). Pretty dwarf white-leaved edging or rock plant, small, white flowers. 1 ft. Pkt. 10 cts.

CHEIRANTHUS allioni (Siberian Wallflower). Brilliant orange-yellow, dwarf. Pkt. 10 cts.

Golden Bedder (New). Pure golden yellow. 1 ft. Pkt. 10 cts.

COREOPSIS Mayfield Giant (New). Golden yellow flowers of large size, most useful for cutting and effective in border masses, blooms all Summer. 2 ft. Pkt. 10 cts.

DOUBLE SUNBURST (New). See page 2.

Use "CUPROCID" When Sowing Perennial Seeds



*Long-Spurred Columbine
Thrives in All Places*



Digitalis—Foxglove
Ornamental Among Shrubs

on strong symmetrical spikes. Pkt. 50 cts.

Pacific Giant. White. The finest pure white. Pkt. 50 cts.

DWARF SPECIES.

Chinensis. Azure blue branching habit. Fine cut foliage. 2 ft. Pkt. 15 cts.

Chinensis. Blue butterfly. Rich dark blue. 2 ft. Pkt. 15 cts.

DICTAMNUS fraxinella alba (Gas Plant). Showy hardy perennial having fragrant foliage. Seed slow in germination. 2½ ft. Pkt. 15 cts.

DIANTHUS plumarius (Hardy Garden Pinks). Very free flowering with strong clove fragrance. 1 ft. Pkt. 10 cts.

deltoides (Maiden Pink). Beautiful, hardy bright pink flowers in abundance from May until August. Fine for rockeries. 6 in. Pkt. 10 cts.

DIGITALIS (Foxglove). Handsome ornamental plants of a stately growth and varied colors.

Giant Shirley. Finest mixed. Pkt. 10 cts.

DRACOCEPHALUM. Ruyschianum japonicum. (Blue dragon's head) New. Heavenly blue spikes of flowers. Compact growth 12 in. Pkt. 15 cts.

ECHINOPS ritro (Globe-thistle). Striking plants. Excellent for back of hardy border; silvery thistle-like foliage, fine blue flowers; useful for cutting. 3 to 5 ft. Pkt. 10 cts.

EDELWEISS (Gnaphalium Leontopodium). Charming Swiss alpine plant, fine for rockwork or exposed places. 6 in. Pkt. 25 cts.

GAILLARDIA, New Hybrids. Many combinations of red and yellow flowers, on long stems. 24 in. to 30 in. Pkt. 10 cts.

GAILLARDIA "Goblin". Dwarf form with large yellow and red zoned flowers, useful in large rock garden. 12 in. to 16 in. Pkt. 25 cts.

GEUM, Mrs. Bradshaw. Hardy, showy orange-scarlet flowers of easy cultivation well adapted for the flower garden. Fine for cutting, July to October. 2 ft. Pkt. 10 cts.

Lady Stratheden. Double golden yellow. Pkt. 15 cts.

GYPSOPHILA paniculata (Baby's Breath). This is one of the most useful and graceful of hardy perennial plants, the tiny white flowers being borne in myriads on slender stems. Pkt. 10 cts.

Oldhamiana. Pink flowers on erect panicles. 3 ft. Pkt. 25 cts.

DAISY, SHASTA (Alaska). The best hardy pure white Daisy, large flowers, useful for cutting. Pkt. 10 cts.
Double Shasta. Pkt. 25 cts.

DELPHINIUM (Larkspur).

belladonna. Beautiful, turquoise blue, continuous bloomer, spikes of good size. Pkt. 20 cts.

Blackmore & Langdon's English Prize. The plants are of strong, vigorous habits with large flowers on spikes two feet and over long. Pkt. 20 cts.

bellamosa. Rich deep blue form of the popular light blue belladonna type. Pkt. 25 cts.

Pacific Giants. A Northwestern strain with large full-double flowers in attractive hues,

HELIANTHEMUM (Rock Rose). Dwarf, hardy perennial, brilliant flowers, suited for dry soil and rockeries. 6 in. Finest mixed. Pkt. 10 cts.

HELENIUM Riverton Gem. Flowers opening old gold, changing to wallflower red. Very striking and fine for cutting. 5 ft. Pkt. 10 cts.

HELIANTHUS, Perennial Hybrids. Very ornamental Sunflowers and useful for cutting. Pkt. 15 cts.

HELIOPSIS. Lemoine's strain. Double golden yellow. Excellent cut flower. Pkt. 15 cts.

HEUCHERA sanguinea (Coralbells). Fine hardy rich, bright coral-red flowers, excellent for cutting. 18 in. Pkt. 25 cts.

HIBISCUS. Mallow Marvels. Tall free flowering plants with large showy flowers in red, pink, white shades. 5 ft. Pkt. 15 cts.

HOLLYHOCK. Hollyhocks add charm to every garden, and may be grown successfully with very little attention.

Fine Mixed. Double varieties from named flowers. Pkt. 10 cts.

Double Pink, Rose, Scarlet, White, Yellow. Each pkt. 10 cts.

Single Finest Mixed. Pkt. 10 cts.

Imperator. Charming elegantly frilled and deeply fringed petals. 5-6 inches across. Mixed. Pkt. 15 cts.

LATHYRUS latifolius splendens (Everlasting Pea). Beautiful climber for trellises or fences, flowers rosy-carmine, July and August. 8 ft. Pkt. 10 cts.

LIATRIS scariosa (late Blazing Star). Strong spikes of unusual purple flowers, in Sept. 3 ft. to 4 ft. Pkt. 15 cts.

LINUM perenne. Hardy, bright blue flowers. 2 ft. Pkt. 10 cts.

Flavum Nanum Compactum (Golden Flax). Golden yellow flowers with blue grey foliage. Fine dwarf rock plant. 6 in. Pkt. 25 cts.

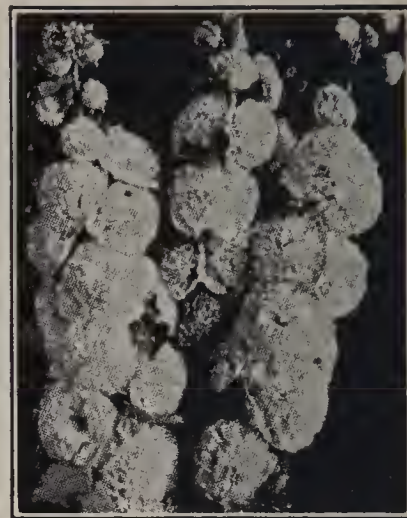
LOBELIA cardinalis (Cardinal-flower). Fine, hardy border plant. Brilliant scarlet flowers. 3 ft. Pkt. 25 cts.

LUNARIA biennis, Honesty (Money Plant). Free flowering hardy biennial. Flat and broad seed pods which look like transparent silver; prized for Winter decoration. 2 ft. Pkt. 10 cts.

LUPINUS polyphyllus (Lupine). Robust plant for clumps and naturalizing. Handsome flowers in spikes. June. 3 ft. **Finest Mixed.** Pkt. 10 cts.

Blue, Pink, White, each. Pkt. 10 cts.

NEW RUSSELL LUPINS. Reselected stock. See page 2.



Double Hollyhocks
Excellent background
for other flowers



Sturdy Delphinium Hybrids

The New Russell Lupines Are Easily Produced from Seed

LYCHNIS. One of the finest herbaceous perennials, perfectly hardy and very ornamental. Flowers of great brilliancy.

arkwrightii. Rich effective colors. 2 to 3 ft. Pkt. 15 cts.

chalcedonica (Maltese Cross). Intense scarlet. 2 ft. Pkt. 10 cts.

LYTHRUM roseum superbum. Spikes of bright rose-colored flowers during Summer and Fall. 3 ft. Pkt. 15 cts.

MYOSOTIS alpestris Victoria. (For-Get-Me-Not). Tiny sky-blue flowers with yellow eye. 6 in. Pkt. 10 cts.

roseus. Pink. Pkt. 10 cts.

palustris semperflorens. Marsh For-Get-Me-Not. Pkt. 15 cts.

OENOTHERA (Evening Primrose). Suitable for margins of shrubbery and perennial borders, with large clusters of showy, fragrant flowers.

lamareckiana. Extra large, yellow. Pkt. 10 cts.

PENSTEMON Blue Gem. Very bright blue, desirable for rock gardens. Pkt. 20 cts.

PHLOX decussata (Hardy Phlox). Beautiful, hardy flowering plants, growing 3 ft. high, bearing large heads of fragrant flowers of lovely shades of color. Pkt. 15 cts.

PHYSOSTEGIA virginica Vivid (Dwarf False Dragon-head). Showy spikes of rosy pink trumpet shaded flowers in September. 12 in to 18 in. Pkt. 15 cts.

POLEMONIUM coeruleum (Jacobs-ladder). Hardy border plant, bell-shaped, bluish purple flowers. 1 in. across. May to July. 2 ft. Pkt. 10 cts.

POLYANTHUS Large-flowering. All colors mixed. Charming early Spring-flowering plants, perfectly hardy and most effective for beds or massing. Pkt. 25 cts.

POPPIES, Iceland. Sunbeam Hybrids. A giant strain of rich and pastel shades mixed. Pkt. 15 cts.

Oriental Hybrids. Pink, white, and scarlet shades. Mixed. Pkt. 10 cts.

POTENTILLA. Single Hybrids Mixed. Hardy plants for the border, brilliant orange, red and crimson flowers from July to October. 18 in. Pkt. 15 cts.

PRIMULA DENTICULATA. Attractive showy plants for rock gardens. White and lilac. Pkt. each, 25 cts.

PUERARIA thunbergiana (Japanese Kudzu Vine). Fast growing, hardy plant, growing 8 ft. the first year from seed. When established, it will reach a height of 50 ft. Pkt. 10 cts.

PYRETHRUM roseum Painted Daisy. Very showy flowers; valuable for cutting.

Double Finest Mixed. 18 in. Pkt. 25 cts.

Finest Single Mixed. Pkt. 10 cts.

ROCKET, Sweet Mixed. The plants grow 2 ft. in height, surmounted by large panicles of brightly colored flowers. Pkt. 10 cts.

RUDBECKIA newmanni (Coneflower). Excellent for late Summer and Autumn. Each bloom like a miniature Sunflower, golden yellow, maroon center. 3 ft. Pkt. 15 cts.

SAPONARIA ocymoides. Showy hardy rock plant producing masses of bright rose flowers during the Summer months. 9 in. Pkt. 10 cts.

SCABIOSA caucasica (Pincushion Flower). Giant hybrids. Large, light blue flowers; blooms continuously throughout the Summer, making it invaluable as a cut flower. Height 2 ft. Pkt. 25 cts.

STATICE latifolia (Sea-lavender). Panicles of small lavender blue flowers in July and August, which can be dried for Winter bouquets. 15 in.-18 in. Pkt. 10 cts.

STOKESIA cyanea (Cornflower Aster). Beautiful, hardy perennials, with handsome, lavender-blue and white Cornflower-like blossoms. 2 ft.

Finest Mixed. Pkt. 10 cts.

SWEET WILLIAM (Dianthus Barbatius).

CADWELL & JONES SPECIAL MIXTURE. Including all shades and Auricula Eyed. Pkt. 10 cts.

Pink Beauty. Large heads; color a rich salmon pink. Pkt. 10 cts.

Newport Pink. Pkt. 10 cts.



Hardy Phlox for July flowers

SWEET WILLIAM—Continued.

Scarlet Beauty. A very effective, rich deep scarlet variety. Pkt. 10 cts.

Purple Beauty. Pkt. 10 cts.

Dark Crimson. 18 in. Pkt. 10 cts.

Pure White. 18 in. Pkt. 10 cts.

Dwarf Alpine Mixed. 4 in. Pkt. 25 cts.

Double Finest Mixed. Pkt. 10 cts.

THALICTRUM aquilegifolium (Meadowrue). Hardy Columbine-like foliage and masses of feathery white flowers in June and July. 3 ft. Pkt. 10 cts.

diptercarpum. Panicles of rosy-lilac flowers; graceful fernlike foliage; grows in partial shade. 3-4 ft. Pkt. 25 cts.

THERMOPSIS Caroliana. Showy Lupine-Like Yellow spikes June, July. 3 ft. Pkt. 25 cts.

TRITOMA hybrida (Red Hot Poker or Torchlily). Showy, hardy perpetual flowering spikes of orange-red flowers from July until August. Excellent for beds and borders. 3 to 4 ft. Pkt. 15 cts.

TROLLIUS Ledebouri (Orange Globe Flower). Excellent for cutting. 2 ft. Pkt. 25 cts.

TUNICA saxifraga. Especially adapted for the rockery or the margin of the hardy border, bearing throughout the entire season numerous tiny pink flowers. 6 in. Pkt. 10 cts.

VALERIANA, Mixed. Showy hardy border plants, with long spikes of old-fashioned red and white flowers ideal for bouquets. 2 ft. Pkt. 10 cts.

VERONICA spicata (Speedwell). Long spikes of blue flowers, excellent for growing in shady places and requiring plenty of moisture. Pkt. 10 cts.

longifolia. Rich blue. 3 ft. Pkt. 15 cts.

VIOLA cornuta (Tufted Pansies). Excellent flowering plants for partially shaded beds or borders.

Mixed. Finest varieties. Pkt. 10 cts.

Jersey Gem. Pure violet. Pkt. 25 cts.

WAHLENBERGIA (Platycodon, Chinese Bellflower).

grandiflora coerulea. Blue. 3 ft. Pkt. 10 cts.

grandiflora alba. White. 3 ft. Pkt. 10 cts.

Mariesi. Dwarf compact sort with rich blue flowers. 1 ft. Pkt. 15 cts.

WALLFLOWER. Well-known plants, with large spikes of deliciously fragrant flowers, and beautiful deep colors. Half-hardy biennial.

Double Branching. Mixed colors. Pkt. 10 cts.

Earliest Paris. New single strain of fine colors, blooming quite early. Pkt. 10 cts.

Single Branching. Finest colors. Pkt. 10 cts.

USE "NOD-O-GEN" INOCULATION ON LUPIN SEEDS

Summer-Flowering Bulbs and Tuberous Roots

Amaryllis

Giant Hybrids, Mixed. One of the few bulbous plants that the amateur can grow easily in pots successfully, ranging in color from pure white grounds with varied markings of rose, red and crimson. 60 cts. each, \$6.00 per doz.

Begonias

Tuberous-rooted. For shady places in the garden or lawn, also for pots or piazza boxes these bulbs are very desirable, blooming from July until frost. Start in house in March or April and remove to the open ground soon as danger of frost is past. Colors ranging from whites, scarlets, pinks, yellows. Mammoth bulbs. **Single**, 25 cts. each, \$2.50 per doz.; **Double**, 25 cts. each, \$2.50 per doz.



Tuberous-Rooted Begonias—Handsomest of all summer-flowering tuberous-rooted plants and deserve great popularity

Caladium

Esculentum. These well known Elephants-ears are most effective both as single plants on the lawn, masses in beds, or for margins of water. Each 25 cts., doz. \$2.50.

Canna

Dormant roots. A class of plants especially suited to produce luxuriant foliage effects. Rich and vari-colored leaves, large and beautiful flowers of brilliant colors. Each 10 cts., doz. \$1.00.

Calla Elliottiana (Yellow Calla)

Foliage spotted, flowers golden yellow. Excellent when planted in open borders, making a beautiful contrast. Desirable for pot plants.

Extra Large Bulbs. 50 cts. each, \$5.00 per doz.

Gladioli

Up to date large flowering varieties. See Page 4.

Ismene

Calathina (Peruvian Daffodil.) Large fragrant Amaryllis like white blooms, apple green markings in the throat. Plant in June. Keep the Bulbs warm and dry when storing. Monster Bulbs 50 cts. each, \$5.00 per doz.

Zephyranthes

Fairy Lilies. These charming dwarf flowers make a pretty display in the rock garden during the Summer. In some locations they will survive the Winter outdoors. Rosea—pink, each, 20 cts.; doz., \$2.00. Candida—white, doz. 75 cts.



Regale Lilies—One of the most beautiful garden lilies yet introduced

Lilies

Lilies can be planted with excellent results in the early Spring months. They thrive and grow luxuriantly planted throughout herbaceous borders.

L. auratum platyphyllum (Gold-banded Lily). Ivory-white blooms with a simple band of yellow dotted with purple. Mammoth bulbs, 40 cts. each, \$4.00 per doz.

L. speciosum henryi. Apricot yellow, stately and showy, very hardy. Mammoth bulbs. 30 cts. each, \$3.50 doz.

L. speciosum rubrum (roseum). Petals white, shaded deep rose and heavily spotted with red. Mammoth bulbs, 30 cts. each, \$3.50 per doz.

L. speciosum album. Pure white with a green band in the center of each petal. Large bulbs, 40 cts. each, \$4.00 per doz.

L. myriophyllum (Regale Lily). Flowers are white, slightly shaded with pink, with canary yellow center. Strong young bulbs. 30 cts. each, \$3.50 per doz.

L. Tenuifolium (Coral Lily). Fine for rockeries or pot culture, 18 inches tall. Brilliant scarlet, flowers June, July. 20 cts. each, \$2.00 per doz.

L. Tigrinum Splendens (Improved Tiger Lily). Bright orange-red spotted with black. Very showy. Each 20 cts., doz. \$2.00.

Flore-pleno (Double Tiger Lily). Double showy flowers. Each 20 cts., doz. \$2.00.

Montbretias

New Giants. Gay and attractive flowers borne on slender wiry stems frequently 3 ft. tall, a worthy companion to the Gladioli as a cut flower. 90 cts. per doz., \$7.00 per 100.

Tigridia Pavonia Hybrids

Peacock Tiger Flower. Gorgeous tropical flowers of the Iris family. The three self-colored outer segments spread from 4-6 in. across, and with the inner ones form a cup that is beautifully spotted red or maroon on a yellow or white ground. Colors mostly, red, orange, pink and rarely white. 18 in. \$1.50 per doz., \$12.00 per 100.

Tuberoses

Excelsior Double Pearl. Mammoth bulbs. Doz. \$1.25, 100 \$10.00.

FOR BULB PLANTING, TROWELS AND DIBBLES, SEE PAGE 52

Treat all Bulbs with "Rootone". See page 46.

Hardy Rock Garden and Perennial Plants

Selections of hardy perennials can be made which may be expected to give seasonable blossoms throughout the Spring and Summer until late Fall.

Strong, field grown plants produced by a leading specialist nearby.

All varieties 3 for 75c., \$2.50 per doz., except where noted. Orders for less than three of a variety cannot be accepted.

Varieties not listed can be furnished at lowest prices. Heights and blooming periods given for comparison.



ACHILLEA, filipendula. Tall yellow. 4 ft. July.
Achillea, The Pearl (Yarrow Milfoil). 2 ft. June to Oct.
Achillea tomentosa. Bright yellow. June. 8 in.
Ajuga (Variegated Bugle). 6 to 8 in. May.
Ajuga genevensis. Green. 6 to 8 in. May.
Alyssum (Silver Alyssum). 1 ft. June to Aug.
Alyssum (Goldentuft). 1 ft. April to June.
Anchusa italica, Dropmore. 5 ft. Blooms entire summer.
Anchusa myosotidiflora. Blue. 18 in. April to May.
Anthemis (Yellow Camomile). 2 to 3 ft. June to Oct.
Aquilegia Caerulea. Blue. 3 ft. May-July.
Aquilegia, Mrs. Scott Elliott's Long Spurred Hybrids. 3 ft. May-July.
Arabis (Rockcress). 6 in. April to June.
Arenaria (Mountain Sandwort). Creeping. June.
Armeria maritima (Thrift). 1 ft. For Rockeries.
Artemesia. White. Aug. to Sept. 3 to 4 ft.
Aubrietia (Purple Rockcress). 6 in. April to May.
Astilbe. Shading from light pink to deep rose. June to July. 2½ ft.
Campanula Medium. (Canterbury Bells). Single and double. Blue, rose and white. 2-3 ft. July.
Campanula calycanthema (Cup and Saucer). Blue, rose and white. 2-3 ft. July.
Campanula (Carpathian Bellflower). 8 in. June to Oct.
Campanula (Peachleaf Bellflower). 2 ft. June, July.
Campanula rotundifolia (Harebell). 1 ft. June to Aug.
Carnation, Picotee Rose And White. Double. 2 ft. June, Sept.
Cerastium (Snow-in-Summer). 6 in. June.
Cheiranthus (Siberian Wallflower). 1 ft. June.
Chrysanthemums. Good named varieties.
Chrysanthemums, Korean Hybrids.
Convallaria majalis (Lily-of-the-valley). White. 9 in. May to June. Single 15 cts., strong clumps 50 cts.
Coreopsis (Tickseed). 2 ft. July to Sept.
Delphinium (Hardy Larkspur). 1½ ft. to 4 ft. June, Sept. 2 yr. roots.
Delphinium, Blackmore Langdons Hybrids.
Dianthus deltoides (Maiden Pink). Creeping. 6 in.
Dianthus plumarius (Grass pink). 1 ft.
Dicentra spectabilis (Bleedingheart). 1 to 2 ft. May to July. Heart-shaped flowers.
Doronicum Caucasicum. Yellow. 2 ft. Spring.
Eupatorium coelestinum. Blue. 18 in. Aug. to Sept.
Foxglove, Mixed Varieties. 2½ ft. June, July.
Gaillardia (Blanketflower). 2 ft. June to Nov.

Gypsophila, Bristol Fairy. 35 cts. each. \$3.75 per doz.
Gypsophila paniculata. 3 ft. July to Oct.
Helianthemum (Sunrose) trailing. June-July.
Hemerocallis (Daylily). 2½ ft. June, July.
Heuchera (Coralbells). 1½ ft. June, July.
Hollyhock, Double. All colors. 6 ft. July, Aug.
Iberis (Hardy Candytuft). White. 1 ft. May, June.
Iris Pumila. (Dwarf Iris). Blue, yellow, purple and white. 2-6 in. May.
Jasione Perennis. Blue. 6 in. July-Aug.
Liatris pycnostachya. Light purple. July-Aug. 4 to 5 ft.
Linum (Perennial Flax). 1½ ft. All Summer.
Lychnis viscaria (Catchfly). 1½ ft. July, Aug.
Monarda (Beebalm). Scarlet. 3 ft. June, Sept.

PACHYSANDRA Terminalis (Mountain Spurge).
The most ideal evergreen ground cover. Plant for dense shade 6 in.-8 in. Doz. \$2.50; 100, \$18.00.

Papaver (Oriental Poppy). 3 ft. June to Oct.
Penstemon (Beardstongue). Pink Beauty. (New.) 35 cts. 4 ft. July.
Phlox (Moss Phlox). Rose. 1 ft. April, May.
Phlox. Hardy tall varieties. 2½ to 3 ft. July-Aug.
Physalis (Lanternplant). 1 to 3 ft. July to Oct.
Platycodon mariesi. Blue. Dwarf. 6 in.
Polemonium (Jacobs-ladder). Blue. 1½ ft. June-July.
Polemonium reptans. Blue. 8 in. May-June.
Primula (Primrose) **veris.** 9 in. April, May.
Pyrethrum (Painted Daisy). 2½ ft. June.
Rudbeckia (Coneflower). 3 ft. July to Oct.
Salvia Pitcheri (Tall Sage). Spikes of clear blue. 3 ft. Sept.
Sedum acre, forsterianum, sieboldi, sexangulare, spectabilis, tenuifolium.
Sempervivum (Houseleek, Hen-and-chickens). July.
Shasta Daisy, grandiflora. 2 ft. June.
Sweet William. Pink, scarlet, white. 2 ft. June.
Trollius europeus (Globe Flower). Yellow. May-Aug. 1 to 2 ft.
Trollius Orange Globe. Orange. 2 ft. May-Aug. 50 cts. each.
Veronica spicata (Speedwell). 2 ft. June, Aug.
Vinca (Myrtle, Creeping). Blue. Fine for shade.
Viola cornuta, Jersey Gem. 9 in. April, Sept.
Viola (Violet). **Odorata Rosina.** Pink. Fragrant. 6 in.

GIANT PANSIES, BELLIS DAISIES, AND BEDDING ANNUALS IN SEASON

CADWELL & JONES— Selected Vegetable Seeds

All our seeds are grown for us by the most competent growers, and the strains, without exception, are of the highest perfection.

On account of values which we cannot anticipate All Prices in this Catalogue are subject to **CHANGE WITHOUT NOTICE**

NOTICE FREE DELIVERY. Peas, Beans, Corn and Onion Sets up to and including 10 pounds will be delivered postpaid in the first and second zones only, when cash accompanies order.

All flower and other vegetable seeds in packets, ounces, $\frac{1}{4}$ pounds and pounds. Bulbs at single and dozen rates as quoted in this catalog will be postpaid anywhere in the United States unless otherwise noted.

We have, as near as possible, arranged the different varieties of each sort according to their season—that is the extra early kinds first, medium early next and so on.

We recommend the Semesan treatment for all seeds. See page 47.

Artichoke

Large green globe. Heads large and scales tender and excellent. Pkt. 10 cts., oz. 75 cts.

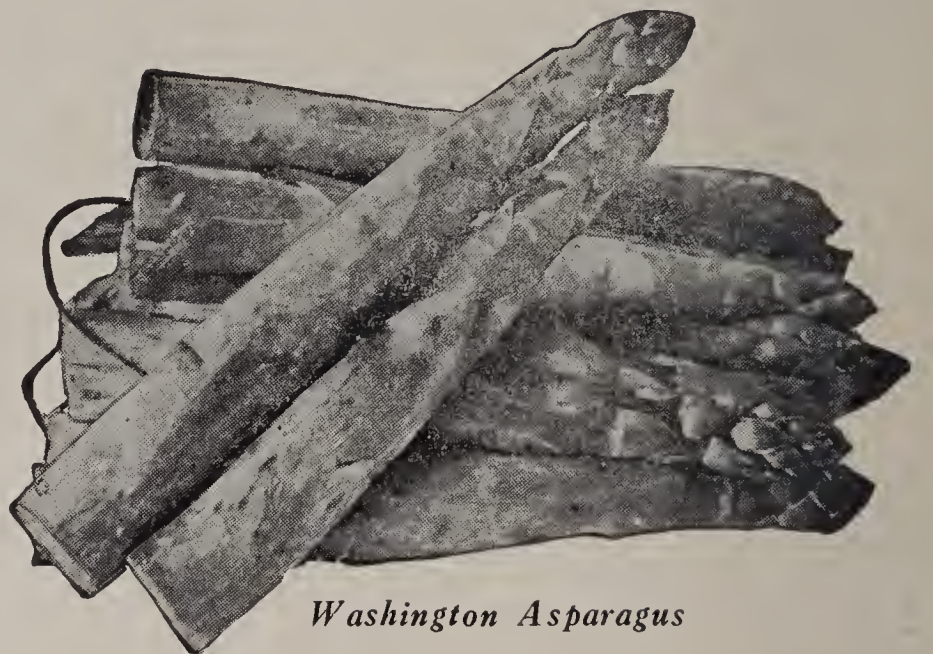
Asparagus

Asparagus can be grown from seed or propagated from roots. Sow the seed in April or May on good soil, in drills 12 to 14 inches apart. When one or two years old, transplant as early in the Spring as the ground can be worked into permanent beds, made very rich and thoroughly trenched 2 feet or more in depth. Set the plants in rows 2 feet apart and 12 inches between the plants in the row. Care should be taken that the roots are well spread and set at a depth of 6 inches below the level of the bed. Cover only 2 or 3 inches and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every Fall after the tops have been cut down, apply a dressing of coarse manure, and in the Spring fork it in. An occasional top dressing of salt is also beneficial, and keeps down the weeds.

Washington. Washington Asparagus is as far as possible an extremely rust-resistant, vigorous and high yielding strain of Giant Asparagus. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Asparagus Roots

Washington. The high yielding, vigorous, and rust-resistance of this variety makes it the most ideal type to plant. Roots are grown and are selected from true stock. \$1.75 per 100, \$12.00 per 1000.



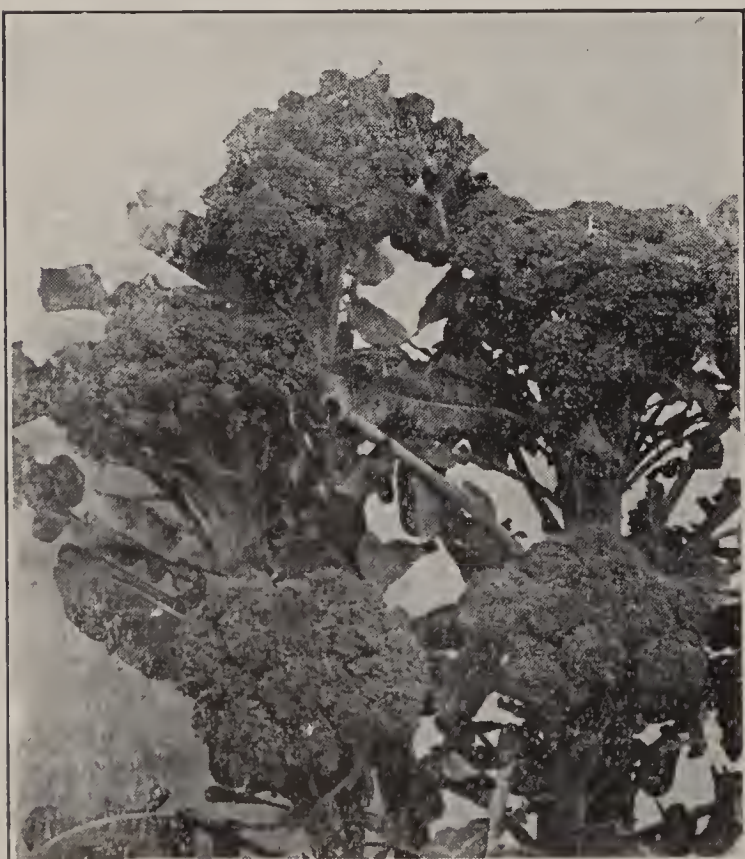
Washington Asparagus

Broccoli-Italian Cauliflower

(Calabrese Green Heading)

One ounce will produce 3000 plants.

Give Broccoli the same cultivation as Cauliflower and the heads can be cut from late July until the first of October. Prepared for the table the same as Cauliflower; a very delicious vegetable now quite popular. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$4.50.



Broccoli—Italian Cauliflower

Broccoli Di-Rapa (Senaps)

Much relished turnip-like leaves which are used for greens and its small flower heads. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Brussels Sprouts

Popular for the little buds like Cabbage heads, that develop thickly along the stalk. These are cooked the same as Cabbage or Cauliflower, and have a pleasing, delicate flavor. Brussels Sprouts do best in rich, well-drained soils. Sow in seedbeds in May, transplant 2 feet apart and cultivate like Cabbage. The leaves should be broken down in the Fall to give the little Cabbages room to grow.

One ounce will produce about 3,000 plants.

Half-Dwarf Paris Market. The very best and surest strain. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.75.



Brussels Sprouts

Dwarf or Bush Beans

Beans are extremely tender, and it is useless to plant them before the first or middle of May, or before the ground has become light and warm. The best soil for Beans is a light, well-drained loam which was manured for a previous crop. Plant in drills 18 inches to 3 feet apart, according to the richness of the soil—the poorer the soil the nearer together. Sow the Beans 2 to 3 inches apart in the rows and cover about 1 inch. Hoe frequently, but only when dry. For succession, plant until August.

1 lb. equals 1 full pt., 2 lbs. equals 1 full qt.

Two pounds will plant 100 feet of drill, 90 pounds for one acre.

TO INCREASE YOUR CROP OF BEANS INOCULATE WITH NODOGEN. EASY TO USE. SMALL COST. LARGE RETURNS. See page 45.

Wax-Podded Beans

ALL VARIETIES, 15 cts. PER PKT.

Round-Pod Kidney Wax. Wonderfully early and productive; long, round, stringless, waxy white pods; crisp, brittle; free from rust. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$2.00, 15 lbs. \$3.00.

Early Golden Wax. The standard Wax. Vines medium size, erect, hardy and productive; pods long, broad, flat, golden yellow, fleshy. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

Improved Golden Wax. Early and hardy; long, rich, golden yellow, stringless pods; less liable to rust than preceding. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

Wardwell's Kidney Wax. Medium early; pods long, broad, flat, white; productive. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

Sure Crop Stringless Wax. A valuable variety of dwarf wax Beans, very productive and will stand a longer season of damp weather than other wax Beans. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

Pencil-Pod Black Wax. The finest. Pods yellow, round, stringless; excellent. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

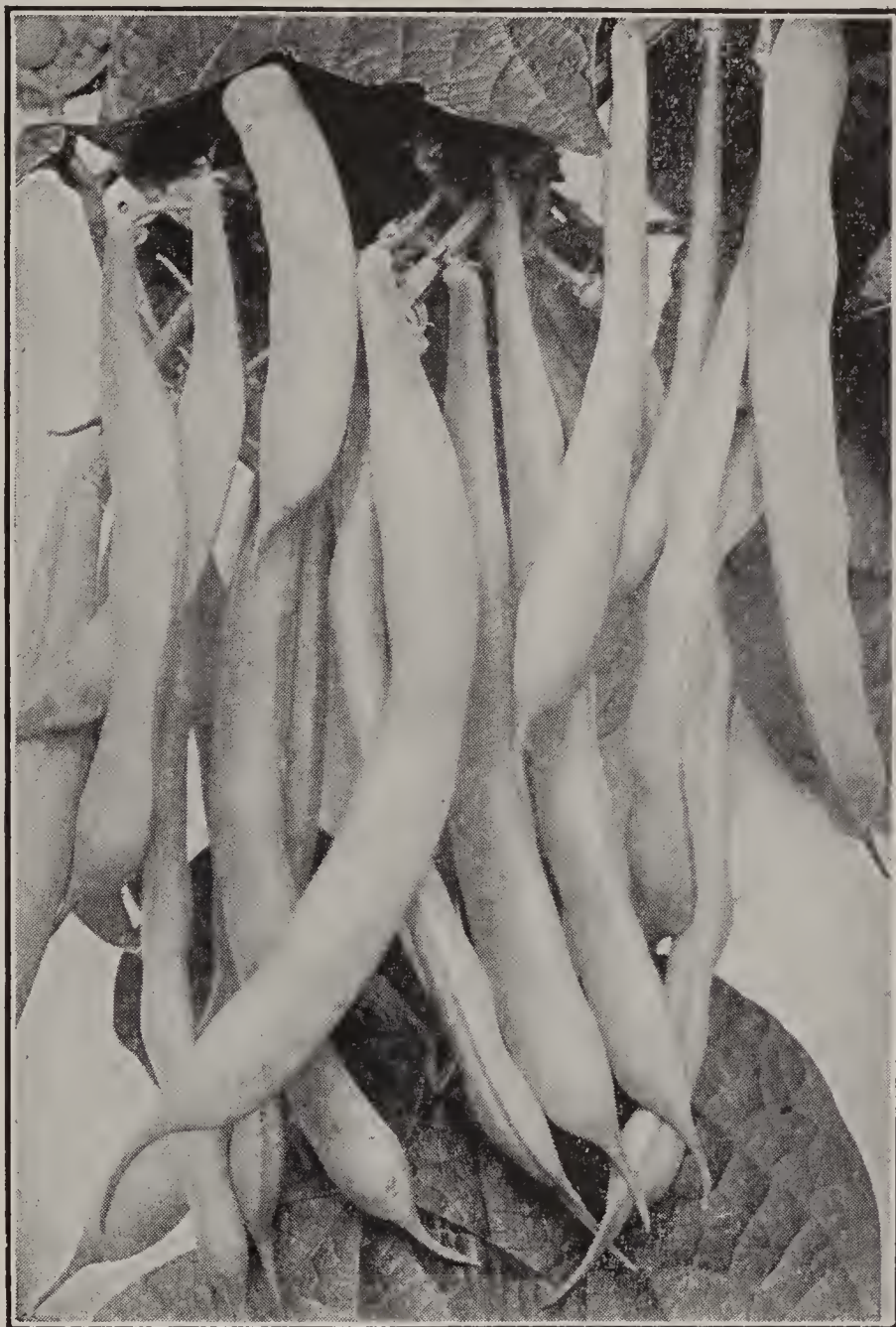
Green-Podded Beans

ALL VARIETIES, 15 cts. PER PKT.

Burpee's Stringless Green-Pod Bush. Dwarf green-podded Beans; stringless and remain tender and crisp long after maturity. Two weeks earlier than Early Round-Pod Valentine; pods light green, long, round, fleshy. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.



Bountiful Beans



Improved Golden Wax

Bountiful. One of the best early, flat-podded sorts, stringless, very tender and prolific bearer; a fine sort for late sowings. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

Tendergreen New Stringless Green Pod. Outstanding green-podded Bean of highest quality for home, market and canning. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

Giant-Pod Stringless Valentine. Earlier, larger and more productive than Early Round-Pod Valentine; stringless, round, full and fleshy. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

Low's Champion. Very productive, with large, green, stringless pods. It has but few if any equals. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

French's Dwarf Horticultural. An improved form of the Dwarf Horticultural, producing long pods beautifully splashed with bright crimson and highly productive. Lb. 40 cts., 2 lbs. 75 cts., 7½ lbs. \$2.00, 15 lbs. \$3.00.

Antrol

Dwarf Horticultural. A dwarf variety of the old Horticultural Cranberry Pole Bean. Used as a shell Bean. Lb. 35 cts., 2 lbs. 65 cts., 7½ lbs. \$1.35, 15 lbs. \$2.40.

ANTROL. The scientific Antcontrol. See page 46

Plant Pole Beans. They are More Productive Than Bush Varieties

Pole or Running Beans

ALL VARIETIES, 15 cts. PER PKT.

Plant two weeks later than dwarf varieties. Limas are more tender and will do better if not planted until the first of June. Set poles 6 to 8 feet long in rows 4 feet apart each way. Sow 6 to 8 seeds around each pole, cover about 1 inch, except Limas, which should be stuck *eyes down* and covered only $\frac{1}{4}$ inch. Manure liberally and leave hill raised, to prevent water from rotting the seed.

Two pounds will plant about 100 hills.

Early Leviathan Lima. One week earlier than any other and two weeks earlier than most varieties of Pole Limas. Wonderfully productive. Long, straight, immense pods in large clusters, containing 3 to 5 beans. Lb. 35 cts., 2 lbs. 65 cts., $7\frac{1}{2}$ lbs. \$2.00, 15 lbs. \$2.70.

King of the Garden Lima. Vigorous grower; profuse bearer; pods 5 to 8 in. in length. Beans large and good. Lb. 35 cts., 2 lbs. 65 cts., $7\frac{1}{2}$ lbs. \$2.00, 15 lbs. \$2.70.

Mammoth Horticultural Cranberry. Beans large; pods red; most productive. Lb. 40 cts., 2 lbs. 75 cts., $7\frac{1}{2}$ lbs. \$2.25, 15 lbs. \$3.75.

Early Dutch Case-Knife. One of the earliest and most prolific sorts. Pods long and flat, with white seed. Good green or dry. Lb. 35 cts., 2 lbs. 65 cts., $7\frac{1}{2}$ lbs. \$2.00, 15 lbs. \$3.00.

Kentucky Wonder, or Old Homestead. Pods are borne in large clusters, are of unusual length, nearly round, silvery green; when young, crisp, entirely stringless, of fine texture and flavor. Early and productive. Used only as a string Bean. Lb. 35 cts., 2 lbs. 65 cts., $7\frac{1}{2}$ lbs. \$1.35, 15 lbs. \$2.40.

Kentucky Wonder Wax. This new Pole Bean is quite similar to the very popular green-podded Kentucky Wonder, except that the very long pods are a little broader, and of a waxy golden yellow. Lb. 35 cts., 2 lbs. 65 cts., $7\frac{1}{2}$ lbs. \$1.35, 15 lbs. \$2.40.

Italian-Pole. Large pods heavily streaked and splashed with crimson; heavy cropper. Lb. 40 cts., 2 lbs. 75 cts., $7\frac{1}{2}$ lbs. \$2.25, 15 lbs. \$3.75.

Scarlet Runner. Cultivated principally for its flowers, which are of a bright scarlet, also used by some for a shell Bean. Lb. 40 cts., 2 lbs. 75 cts.

Bean Poles, Made of Selected Cedar, 8 to 10 feet.



Bush Lima Beans



Kentucky Wonder or Old Homestead

Dwarf or Bush Shell Beans

Improved Yellow Eye. One of the best sorts for baking, extremely productive and of superior quality. Lb. 25 cts., 2 lbs. 40 cts., $7\frac{1}{2}$ lbs. \$1.35, 15 lbs. \$2.10.

White Kidney. Excellent when shelled either green or dry; a superior kind for baking. Lb. 25 cts., 2 lbs. 40 cts., $7\frac{1}{2}$ lbs. \$1.35, 15 lbs. \$2.10.

White Marrow. Extensively grown for sale as a dry Bean for Winter use; also good shelled green. Lb. 25 cts., 2 lbs. 40 cts., $7\frac{1}{2}$ lbs. \$1.35, 15 lbs. \$2.10.

Red Kidney. Unequaled as a shell or baking Bean, very prolific. Lb. 25 cts., 2 lbs. 40 cts., $7\frac{1}{2}$ lbs. \$1.35, 15 lbs. \$2.10.

Fava-Mammoth Long Podded Broad. Variety most desired by Italian gardeners, large podded, broad prolific Beans. Lb. 35 cts., 2 lbs. 65 cts., $7\frac{1}{2}$ lbs. \$1.75, 15 lbs. \$3.00.

Bush Lima Beans

ALL VARIETIES, 15 cts. PER PKT.

Fordhook Bush. This excellent variety is perfectly suited to the garden of a limited area. Dwarf, strong, quick growth and high productiveness. Each pod well filled with 4 or 5 large beans of excellent flavor. 1 lb. 35 cts., 2 lbs. 65 cts., $7\frac{1}{2}$ lbs. \$2.00, 15 lbs. \$2.70.

Dreer's Wonder. An improvement on the Burpee's Bush Lima, and a decided acquisition. The plants grow dwarf, upright and compact, without the least sign of a runner, and are completely covered with large pods, many of which contain four beans, which are fully as large as the large Pole Limas. It is much earlier than the original type. Lb. 35 cts., 2 lbs. 65 cts., $7\frac{1}{2}$ lbs. \$2.00, 15 lbs. \$3.00.

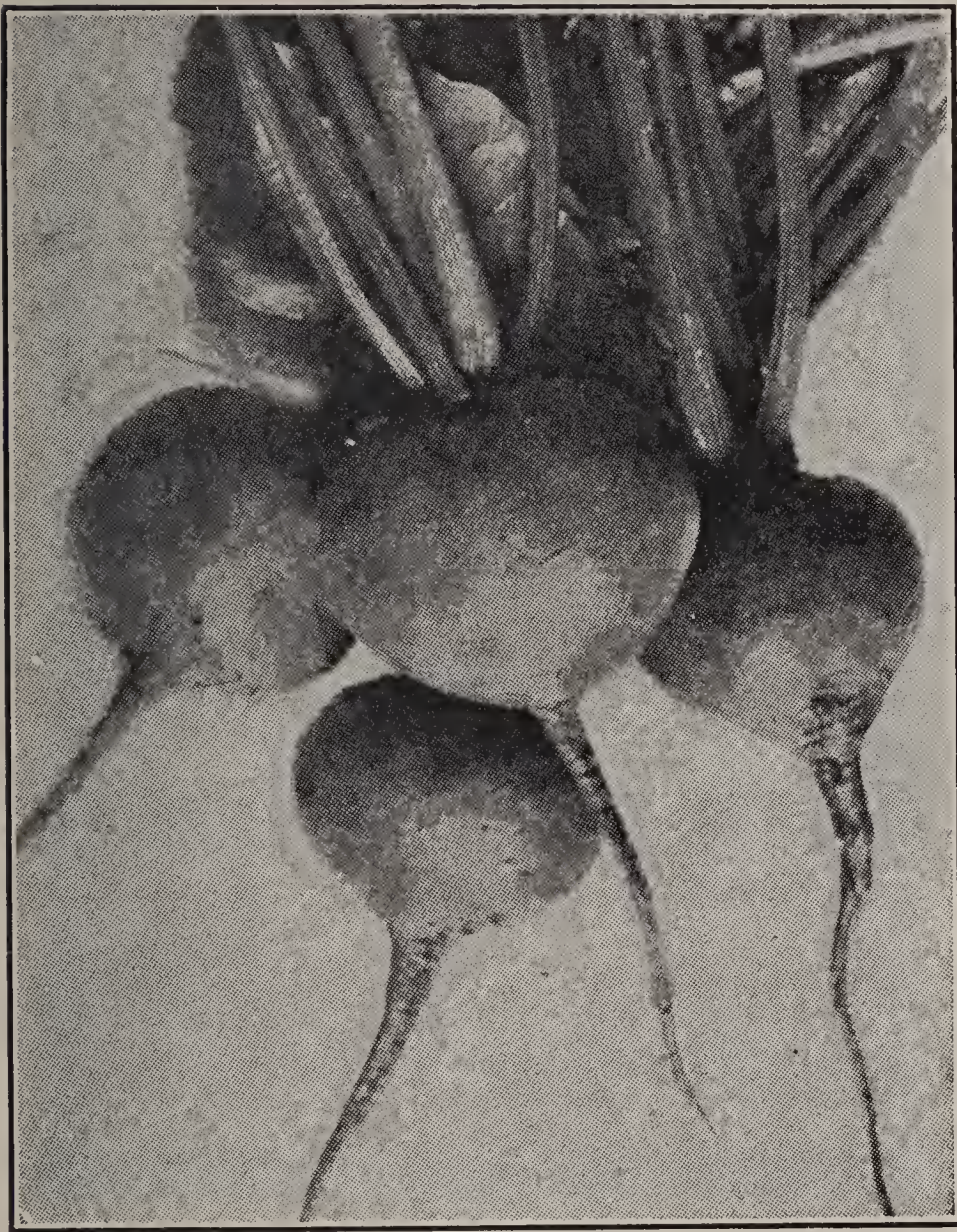
Burpee's Improved. Produces magnificent crops of pods measure from 5 to 6 in. long by $1\frac{1}{4}$ in. wide. Pods and beans are much larger than Burpee's Bush Lima, while the beans, either green or dry, are nearly twice as thick. The beans are of delicious flavor and are ready to use 8 to 10 days before Burpee's Bush Lima, or Large Pole Lima Bean. Lb. 35 cts. 2 lbs. 65 cts., $7\frac{1}{2}$ lbs. \$2.00, 15 lbs. \$2.70.

Beets

Well-enriched, light soil is best adapted for Beet culture. Sow in drills 1 foot apart and cover $\frac{1}{2}$ inch. It is important that the earth be pressed firmly about the seed. When the plants are large enough, thin to 4 inches apart. The thinnings can be used for greens, if desired. For early, sow as soon as the ground can be worked, and continue for succession until the first of July. Mangels and Sugar Beets require liberal manuring and should stand 10 to 12 inches apart in the rows.

One ounce will sow 50 feet of drill, 5 to 6 pounds to one acre.

ALL VARIETIES, 10 cts. PER PKT.

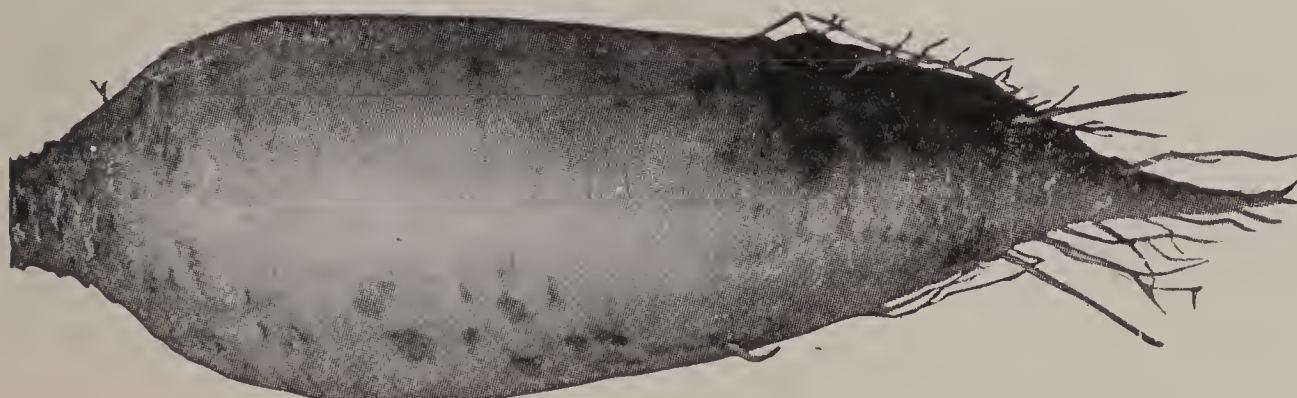


Early Wonder Beet

Treat all seeds before planting with **Semesan** for increased yields. (Special forms). See page 47.

Early Wonder. An improved Crosby's Egyptian produced by several years' selection from this well-known sort. It is of uniform size, globular in shape, smooth skin, with medium-sized top and small tap-root. The color is a deep blood-red, quality sweet and tender. It has proved to the market-gardener to be the earliest and most uniform bunching Beet in existence, which makes it one of the most profitable varieties. Oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 90 cts.

Extra Early Egyptian. Flat, with small, short top and single tap-root; flesh dark red, tender and sweet; best for forcing. Oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. 85 cts.



Mangel-Wurzel Beet—Golden Tankard

Detroit Dark Red Turnip. Roots roundish, smooth; dark red; flesh bright red, zoned with lighter; crisp, tender, sweet; a good keeper. Oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 90 cts.

Crosby's Egyptian. An extra-early superior strain of blood-red Egyptian, carefully selected. Oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. 85 cts.

Early Eclipse. Round and smooth; rich carmine; very sweet and tender; almost as early as Egyptian and superior in open ground. Oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. 85 cts.

Dewing's Early Blood Turnip. Deep red; smooth and of fine form. A leading variety; keeps well. Oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. 85 cts.

Edmand's Blood Turnip. Deep red, sweet and tender; round, smooth, and of good size. Oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. 85 cts.

Long, Smooth Blood. A good late variety for Fall and Winter use; tender and sweet. Oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. 90 cts.

Swiss Chard

Large-ribbed White Curled. Belongs to Beet family, and has a large, white-ribbed, curly, light green leaf, resembling that of the Beet, with a small root. Best for greens. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. 90 cts.

Swiss Chard, Giant Lucullus. Stalks 10 to 12 in. long below the leaf, and as thick and broad as Rhubarb. Leaf heavily crumpled, crisp and tender. The stalk and midrib, served like Asparagus, with the leaves cooked and served the same as Spinach, afford two distinct dishes at the same time. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. 90 cts.



Swiss Chard

Mangel-Wurzels and Sugar Beets

Norbiton Giant Long Red. Roots of mammoth size. One of the most profitable for feeding stock. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

Golden Tankard. Roots large, ovoid, but well filled. Yellow and white. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

Orange Globe. Roots of large size and globular form. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

Vilmorin's White Sugar. One of the very best and most nutritious for feeding cattle; also used for making sugar. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 55 cts.

In quantities of 5 lbs. and over, at our store, or by freight or express, at expense of purchaser, 5 cents per lb. may be deducted from prices per single pound.

Cabbage

Always be sure that your Cabbage seed is grown from well-formed, selected heads. The ground should be a heavy, moist, rich loam, highly manured, deeply dug or plowed and thoroughly worked. For early plants sow in mid-September, and protect in coldframes through the Winter. The more common way is to sow in hotbeds in February or March, and prick out into coldframes, to be transplanted, when danger of frost is past. Early varieties should set 18 inches by 2 feet, Fall and Winter sorts 28 inches apart each way. The late Autumn and Winter varieties may be sown in a seed

**SEMPER
DUPONT**
Makes Seeds Healthy

bed, from the middle to close of Spring, and transplanted when about 6 inches high. Shade and water in dry weather. See that the plants stand thinly in the seed bed; if they come up thick, prick them out into beds 4 to 6 inches apart. They can then be moved with earth attached, on a moist day, without damage. Transplant just at evening, giving each plant water at the root. Hoe every week more deeply as they advance, drawing up a little more earth each time, until they begin to head, when they should be fairly dug between and hilled up.

**One ounce of seed
will produce about 3,000
plants**

Golden Acre Cabbage
(Original Strain). Considered the earliest round-headed Cabbage, averaging 4 pounds, with few outer leaves, permitting close planting. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.75.

Chinese Cabbage (Pe-Tsai). This is a vegetable from the Far East. It is similar to Cos Lettuce in appearance and tenderness, and has the crispness of Celery while tasting like a Cabbage, without its offensive odor. Sow the seed after July 1. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.00.



Chinese Cabbage

Copenhagen Market. As early as the Charleston Wakefield. Perfectly ball-shaped, uniform in size, and as large, or larger than the Danish Ballhead. Very solid and of fine quality. The plant is short-stemmed; leaves tightly folded. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Early Jersey Wakefield. The standard, very early variety of medium size; pyramidal in shape, having a rounded peak. Its small, outside foliage permits of close planting; a good variety to winter in cold frames. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

The Charleston, or Early Large Jersey Wakefield. Of the same form and type as the Early Jersey Wakefield, but fully a half larger, while it is less than a week later. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.



Early Jersey Wakefield Cabbage



Perfection Drumhead Savoy Cabbage

All Seasons. One of the very best sorts for general cultivation, either for early Fall or for Winter use. Heads very large, usually somewhat flattened and solid. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Excelsior Large Flat Dutch. The king of late Cabbages. Improved by selection from the late Flat Dutch; unquestionably the best strain. Its remarkable uniformity, size, short stump, few outside leaves and solid weight make it the most profitable late sort. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Danish Ballhead. Plants rather long-stemmed, but compact; leaves very smooth but thick; head of medium size, round and very solid, being the hardest-heading Cabbage we know, and of the very best quality. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Danish Roundhead. A short-stemmed type of the Danish Ballhead, maturing earlier than that variety. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Penn State Ball Head. Plants short-stem with solid heads, extremely hard, heavy yielder per acre and a good keeper. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Perfection Drumhead Savoy. Large heads of finely curled leaves, particularly adapted for private use. Grown in the Fall and allowed to be touched by frost, it is one of the most delicious of all vegetables. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

Red Drumhead. Excellent for pickling or eating raw. For solidity, deep red color, certainty of heading and dwarf habit of growth, this has no equal. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

Slug Shot will kill Cabbage worms. See page 48.

Cardoon

Sow seeds in open ground in early spring where the crop is to mature. Have rows 3 to 4 ft. apart. Plants 1 to 2 ft. apart in the rows. Full grown leaves are tied together wrapped in straw and banked up with earth. Cooked and served in the same way as Asparagus. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

USE GROFAST PLANT FOOD FOR BETTER CABBAGE

Carrots

Carrot seed should be sown in April for early and until the first of June for later crops. Make the surface smooth, and plant in drills, 14 inches apart; cover not more than $\frac{1}{2}$ inch, and thin to 4 inches apart in the rows. Like all root crops, a rich, sandy loam, deeply cultivated, which has been well manured for a previous crop, is most suitable for Carrots. Strong fresh manure should never be used.

Earliest Scarlet Forcing. Valuable for forcing; very early, small, of fine flavor, Turnip-shaped. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Early Scarlet Horn. A medium-sized root, half long, of fine color; grown for early use and to sell in bunches. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Chantenay. For table use it is probably the best in shape and finest in quality; a little longer than the Scarlet Horn and broader at the top. The flesh is a beautiful, rich orange color. Very uniform in size. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Danvers Half-Long Orange. Cylindrical shape, stump-rooted, orange-red, and is said to produce a heavier crop than any other variety. It is smooth, close-grained, and almost coreless. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

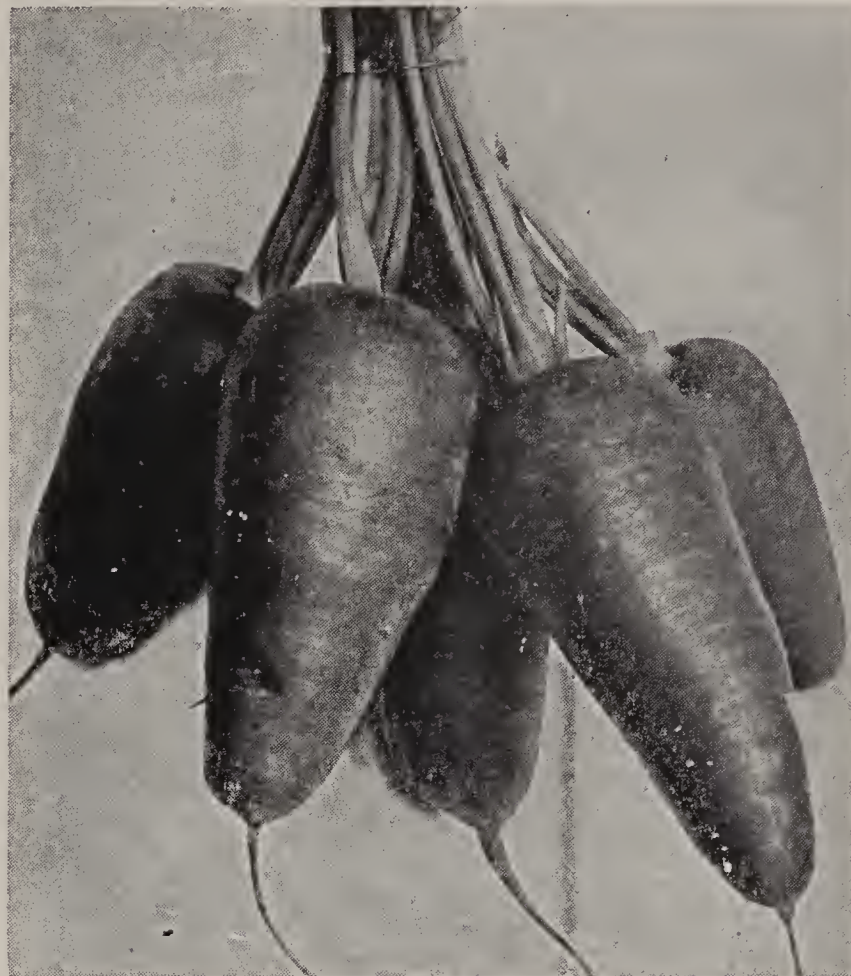
Improved Long Orange. The standard variety for garden or field crops, darker in color and smoother than the old Long Orange. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Guerande, or Ox-Heart. Not so long as the Danvers, but very thick, sometimes measuring 3 or 4 in. in diameter at the top. A great yielder; flesh bright orange, fine-grained and sweet. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Imperator. An outstanding type grown for Market Garden use. Flesh rich orange color. Fine grained and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

CUPROCID (Red Copperoxide). Will prevent "damping off" of seeds. See page 47.

An ounce of seed will sow 100 feet of drill, 3 or 4 pounds for 1 acre.

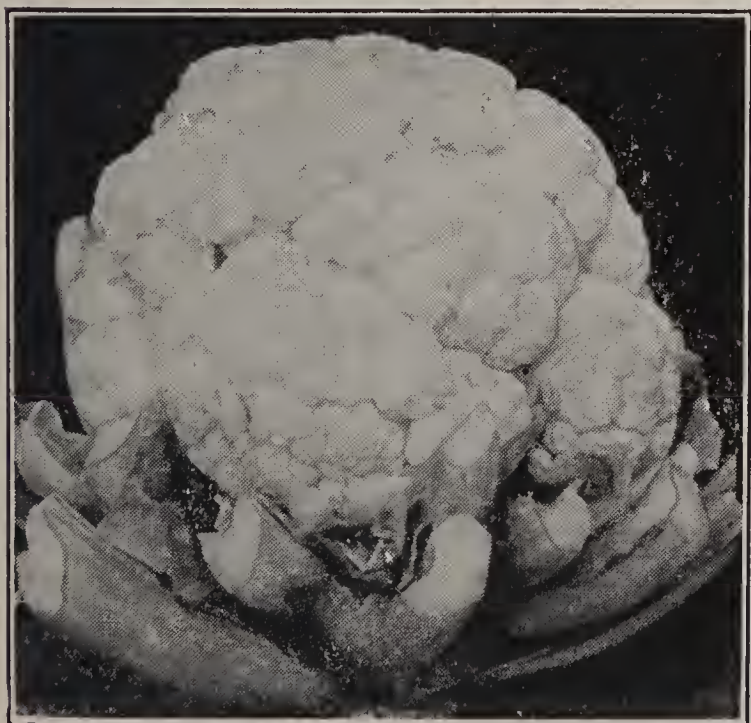


Early Chantenay

Cauliflower

There is no vegetable grown more delicious than the Cauliflower. With a deep, rich soil, plenty of moisture and thorough cultivation, it is as easily grown as Cabbage. For early, the seed may be sown in September and the plants wintered in well-protected coldframes, or sown in hotbeds early in March, and when sufficiently large transplanted in coldframes and gradually hardened by exposure. When the weather will permit, set in the open ground in rows 3 feet apart and 2 feet between the plants in the row. For Fall crops sow at the same time, and treat in the same manner as late Cabbage. Cauliflower will not head in hot, dry weather, therefore the time of planting should be regulated so they will head either in early Summer or Autumn. Keep well watered when they begin to head. If the leaves are drawn up and tied loosely over the head it will hasten blanching. Cut before the flower begins to open.

One ounce will produce about 2,000 plants.



Early—Snowball Cauliflower

Early Snowball. Super-strain. An extremely early, dwarf variety, producing magnificent white heads of the finest quality. The standard variety for general use. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Extra Early Dwarf Erfurt. Almost, if not quite, as early as the Snowball. Very dwarf, with large, solid, pure white heads of finest quality. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Large Algiers. An extra fine, late variety, suitable for market and sure to head. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.00.

Cress

One ounce will sow 16 square feet.

Fine Curled Pepper Grass. The sort most generally used. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. 85 cts.

Snarol

The National Pest Control

Water Cress. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.00.

SNAROL. Unusual material for killing cutworms. See page 48.

Celery

SEMPER SAN
Makes Seeds Healthy

Celery, more than any other vegetable, demands intelligent and careful culture. The seed is very small and is slow to germinate; with the inexperienced a good stand of plants is an exception. For early, sow in shallow boxes in gentle heat in February and March, and for later, sow about the middle of April in a finely prepared seed bed, in rows so that the plants can be kept free from weeds. Cover not more than $\frac{1}{4}$ inch, and press down firmly with the back of the spade or a board. Be sure and keep the bed constantly moist (a partially shaded location is favorable on this account), or cover the bed with a light matting or burlap, directly on the soil until the plants begin to prick through the ground, when it should be immediately removed. When large enough to handle, thin and transplant to 4 inches apart. Clip off the tops when about 4 inches high to make them stocky. Plant out from the middle of June until the middle of July in rows 4 to 5 feet apart, and 8 inches apart in the rows. Care should be taken in setting, not to cover the crowns and to press the earth firmly about the roots. Keep it well cultivated until a month before it is wanted, when it should be hilled or banked for blanching; this should be done gradually, usually in two or three operations a week or so apart, the last time almost to the tips of the leaves. Select a rich, deep, sandy loam, rather moist.

One ounce will produce about 4,000 plants.

Paris Golden Self-Blanching. Its fine form, rapid growth, extreme earliness, superior flavor and keeping qualities, rich golden color, and slight trouble in blanching, are all that could be desired in a Celery. Our seed is true to name from originator's stocks. Pkt. 10 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$3.00, lb. \$9.00.

White Plume. The stalks and portions of inner leaves and heart are naturally white; needs very little earthing up; crisp, solid and of a pleasing nutty flavor; the best for early. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Giant Pascal. A valuable variety for both second-early and mid-Winter use. It grows about 2 ft. high, the stalks are very broad, thick and crisp and entirely stringless; easily blanched. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Golden Plume, Self-Blanching. A splendid variety of early Celery, an improved self-blanching sort, making stocky growth; stalks rich golden yellow and are remarkably crisp, and tender, nut-like flavor; handsome in appearance. Seed offered from originator's strain. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$9.00.

Boston Market. Remarkable for its tender, crisp and succulent stems, and its peculiar, mild flavor; of branching habit and a good keeper. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Newark Market, Original Strain. The plants are strong and stocky, with green foliage entirely free from rust, with a slight tinge of yellow in the inner leaves, which are crisp, solid, and tender, and excellent, nut-like flavor. Blanches very easily when boarded up. Pkt. 25 cts., oz. \$2.00, $\frac{1}{4}$ lb. \$7.00.

Winter Queen. Exceptionally vigorous and compact growth. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.



GOLDEN SELF BLANCHING CELERY

Celeriac, or Turnip-rooted Celery

Giant Prague. The roots are of good size, round and smooth, with small tops. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Chicory, Witloof, or French Endive

Sow in May or June in drills. Thin out or transplant to 6 inches. In the Fall trim roots, transplant into sand in cellar or cold frame, cover with straw. Crisp shoots form which make a delicious salad. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Chicory, Italian Dandelion Asparagus

Planted early in Spring this Italian variety produces tender flower stalks which are cooked like Asparagus. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.50.

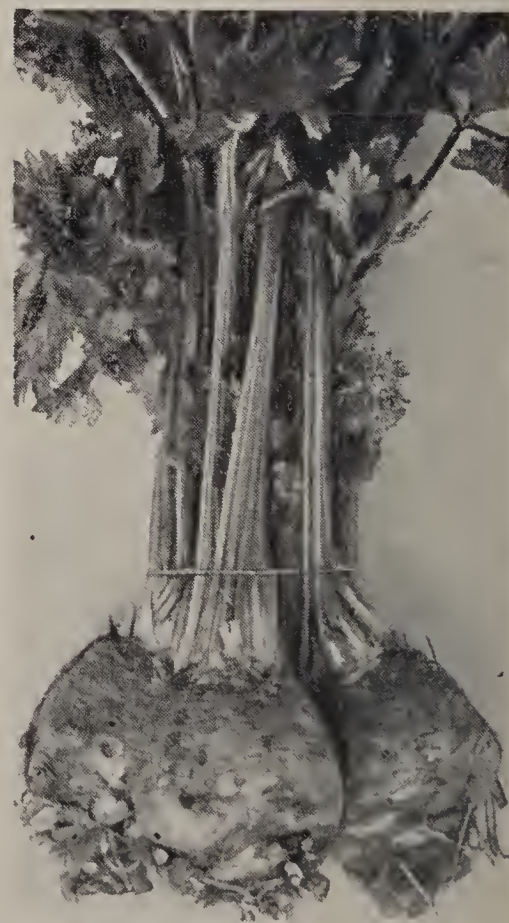
Collards

Georgia. Largely used in the South, and prepared in a manner similar to Spinach. Collards are used as a substitute for Cabbage in those sections where Cabbage cannot be raised. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. 90 cts.

Corn Salad

Grown for salads. For Summer, plant in early Spring; for Winter and early Spring, sow in August and September, and protect with straw in Winter; sow thickly in rows 1 foot apart, cover $\frac{1}{8}$ inch. **One ounce will sow 100 feet of drill.**

Large Round-Leaved. Standard sort. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.



Celeriac

Sweet Corn

Plant from May 1 until July 1 in any good soil in hills, the dwarf varieties 3 feet, and the larger varieties 4 feet apart each way. Drop six kernels to the hill, cover about 1 inch and thin to four plants at the second hoeing. Keep free from weeds, and give frequent cultivation. Soaking the seed an hour before planting will hasten its sprouting. **1½ pounds will plant 200 hills, 12 pounds for an acre.** ¾ lb. equals 1 pt., 1½ lbs. equals 1 qt.

On account of values which we cannot anticipate All Prices in this Catalogue are subject to CHANGE WITHOUT NOTICE.

STANDARD VARIETIES ALL VARIETIES, 15 CTS. PER PKT.

Except Where Noted

EARLY VARIETIES

Columbia. Extra Early. A very desirable, extra early, prolific variety, short stalk averaging two ears of excellent flavor. ¾ lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

Golden Bantam. A yellow Sweet Corn; of distinct flavor; stalks dwarf, setting ears 5 to 7 in. long, covered to the tip with 8 rows of golden kernels. ¾ lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

Golden Early Market. Extra early large Yellow, good flavor. ¾ lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

Golden Sunshine. Dwarf in habit, with ears 7 in. long, 12 rows of broad, yellow, sweet kernels; desirable and early. ¾ lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

Whipple's Early Yellow. A twelve-rowed variety maturing a few days after Golden Bantam; largely grown by market gardeners, and considered very valuable where known. ¾ lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

Howling Mob. The ears of Howling Mob measure 7 to 9 in. in length with 12 to 14 rows of large, pearly-white grains. Howling Mob usually produces two large ears to a stalk. It is the earliest white Sweet Corn of really high quality. ¾ lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

Early Golden Giant. It combines all the excellent and inimitable qualities of the Golden Bantam, with a great increase in the number of rows. It is 12-16 rowed and frequently produces ears 10 in. long. ¾ lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

LATER VARIETIES

Country Gentleman (Improved Ne Plus Ultra). Ready a little before Evergreen; ears medium, with very deep, irregular kernels; small cob. Often 3 to 4 ears on a single stalk. ¾ lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

Evergreen. The standard late sort; 6 to 8 ft. high; large ears, with 12 to 16 rows of very deep, sweet kernels. Remains a long time in a green state. ¾ lb. 25 cts., 1½ lbs. 45 cts., 6 lbs. \$1.45, 12 lbs. \$2.25, 48 lbs. \$8.00.

NEW HYBRIDS and TOP CROSS-VARIETIES

All varieties, except where noted, 20 cts. per pkt.

Top Cross Market Gem. Eight days earlier than Marcross, but more prolific ears. 7½ inches long. 12-14 rows. ¾ lb. 35 cts., 1½ lbs. 65 cts., 6 lbs. \$2.00, 12 lbs. \$3.50, 48 lbs. \$12.00.

Marcross 39. One of the earliest of the large eared hybrids. Very prolific and vigorous in growth. 80 days. ¾ lb. 35 cts., 1½ lbs. 65 cts., 6 lbs. \$2.00; 12 lbs. \$3.50, 48 lbs. \$12.00.

Improved Bancross. Inbred Golden Bantam with 12-14 rowed Ears, 8 in. long. Grand quality. 83 days. ¾ lb. 35 cts., 1½ lbs. 65 cts., 6 lbs. \$2.00, 12 lbs. \$3.50, 48 lbs. \$12.00.

Golden Cross Bantam. Excellent hybrid cross from inbred strains, uniform ears and in maturity 10 to 14 rowed. ¾ lb. 35 cts., 1½ lbs. 65 cts., 6 lbs. \$2.00, 12 lbs. \$3.50, 48 lbs. \$12.00.



SAVE REPLANTING. Use CROW REPELLENT. See page 47.



The Best in Sweet Corns for Your Table

Pop Corn

White Rice. Recommended as the best general purpose variety on account of its keeping better than others. Lb. 30 cts., 2 lbs. 50 cts., 5 lbs. \$1.00.

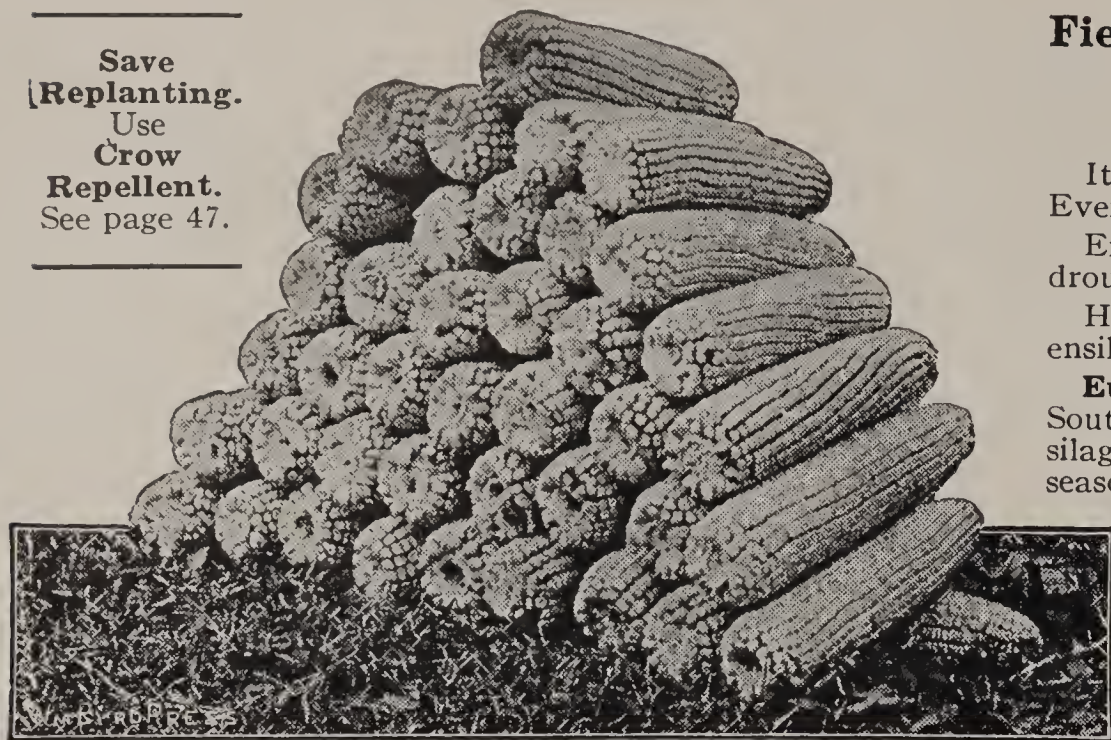
Field Corn

FLINT AND DENT VARIETIES FOR FIELD CULTURE

Early Canada, Eight-Rowed. An improved strain grown locally, maturing in 90 days. In the preparation of this corn for seed, each ear is carefully selected and is far superior to the ordinary strains. Very heavy cropper and averages two ears to stalk, which grows large and leafy; makes good fodder. Market price.

Sweepstakes. The stalks grow rapidly and to a good size, producing excellent fodder and an abundant crop of ears. Market price.

Save
[Replanting.
Use
Crow
Repellent.
See page 47.



Hybrid Yellow Field Corn

Field Corn—Continued

CADWELL & JONES

Hybrid Yellow Sweepstakes

It is the heaviest yielding Corn of highest food value. Every stalk bears large sound beautiful ears.

Extensive deep roots. Extremely disease, storm and drought resistant.

Highly recommended and promises to be the best ensilage corn for Connecticut. Market price.

Eureka Ensilage. A popular, tall, leafy variety of Southern White Dent Corn, used exclusively for ensilage; does not often mature in this latitude as our season is too short. Market price.

Semesan, Jr.

A Dust disinfectant for preventing and controlling the ear rot and stalk rots of sweet and field Corn. See page 47.

Cucumbers

For early Cucumbers, start in the hotbed about the middle of April upon pieces of heavy sod, grass side down. When the weather will permit, remove to carefully prepared hills in the open ground and protect with boxes when the air is cold. For the main crop, as soon as the weather has become settled and warm, prepare hills 4 feet apart, using a shovelful of warm, well-rotted manure to each hill; cover this 2 inches with fine earth, and plant 15 to 20 seeds $\frac{1}{4}$ inch deep. Press down with the back of the hoe. When the plants begin to crowd and the danger from bugs is past, thin to four vines to the hill. Pick all Cucumbers when large enough; if left to ripen on the vines they will cease to be productive. For a succession, plant at intervals. For pickles, plant from the middle of June until the middle of July.

One ounce will plant 50 hills, 2 pounds for an acre.

Early Russian. The earliest variety in cultivation; 3 to 4 in. long; quite thick; flesh crisp and of fine flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Bennett Improved Early White Spine. One of the finest strains of White Spine; most generally used for forcing and outdoor culture. Fair-sized, dark green; holds its color; very early, crisp, excellent. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Extra Long White Spine, or Evergreen. A fine strain, smooth, frequently 10 in. long; round, handsome, very regular. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Davis' Perfect. Slim and symmetrical, averaging 10 to 12 in., dark, glossy green, tender and brittle, of exceptionally good flavor. It is as early as the earliest White Spine and a large cropper. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Early Cluster. Early, producing in clusters; fruit short, dark green; good. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Japanese Climbing. Fruit about 10 in. long. Skin dark green; flesh pure white, can be grown on trellises and fences. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Fordhook Famous. Handsome, long green Cucumber; White Spine type; 12 to 14 in.; straight, smooth and regular. Finest flavor. A healthy, vigorous grower, setting fruits in abundance throughout the season. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Long Green Improved. About 12 in. long, firm, crisp; fine for pickles; one of the most productive. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Everbearing. Small; very early; vines continue to produce until killed by frost. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Windsor Pickling. Improvement on Boston Pickling; wonderfully prolific; small, dark green, cylindrical; slightly pointed; crisp and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

West India Gherkin. Small, oval-shaped, recommended only for pickling. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.00.

English Frame, or Telegraph. Exclusively used for hothouse culture. Pkt. 25 cts.



Sliced Cumpers are good for you—Eat Plenty

Dandelion

When a good stand is secured, Dandelions are easy to grow, and make excellent greens. Sow from Spring to September in drills, on low ridges a foot apart. Cover lightly, press soil down firmly. Thin to 3 inches apart in row.

One ounce will produce about 2,000 plants.

French Garden. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

Improved Thick-leaved or Cabbaging. French grown. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Italian Dandelion. See page 28 Chicory.

Egg Plant

To get a good start, sow seed in March, in a strong, uniform heat. When 3 inches high, transplant to 4 inches apart. When cold weather has abated, harden gradually by exposure and transplant $2\frac{1}{2}$ feet apart in warm, rich soil. Provide shade, and keep plants protected against Potato bug. Draw earth up around stem when a foot high.

One ounce will produce about 1,000 plants.

New York Improved Purple. The best sort for general culture. Large, round, or oval-shaped, dark purple, free from thorns. The most productive variety. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Black Beauty. Fruit thick; of attractive form, with a satin gloss, purplish-black skin, 10 days earlier than the preceding. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Endive

Splendid for salads. Sow thinly in shallow drills 10 inches apart, in April for early and in June or July for late use. Thin to eight inches apart in rows; cultivate thoroughly. To blanch, draw up outer leaves and tie at top; will be ready for use in two or three weeks. Do not tie faster than wanted, as it soon begins to decay.

One ounce will sow 60 square feet.

Green Curled. The variety most cultivated. Leaves beautifully curled, dark green, tender and crisp. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

White Curled. Not so hardy as the Green Curled; grows to a large size, and is always crisp and tender; almost self-blanching. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Broad - leaved Batavian (Escarolle). Full heated. Has broad, thick, plain or slightly wrinkled leaves. If the outer leaves are gathered and tied at the top, the whole plant will blanch, and may be eaten. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Finocchio or Florence Fennel

Very delicious vegetable from Italy. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Large Musselburgh Leek



New York Improved Egg-Plant

Kale

For best crops, select rich soil, dig a spade's depth and apply manure liberally. For Summer use, sow in April; for Winter and Spring, sow in August and September. Plant thinly and cover lightly in drills 2 feet apart. Thin to 10 inches in the row. Protect lightly during Winter.

One ounce will produce about 2,000 plants.

Dwarf Green Curled. One of the best for Spring sowing; dwarf and spreading; rarely exceeding 18 in. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.00.

Siberian Curled. Favorite for Fall; about 2 ft. high; leaves are not so deeply curled as the preceding, and bluish green; very hardy; will withstand 10 degrees below zero. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.00.

Kohlrabi

For a succession sow at intervals, from early Spring until July, in drills 1 foot apart, cover lightly and thin to 6 inches apart in the rows. The bulb that forms upon the stem just above the ground is fit to use when about half grown. A valuable crop for table vegetable or for stock food.

One ounce will sow 200 feet of drill.

Early White Vienna. A standard sort for market, table use, or forcing; flesh white and tender; very short top. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

Early Purple Vienna. Bluish-purple, similar to the above, except in color. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

Leek

Sow early in May, in drills, 12 inches apart, cover $\frac{1}{2}$ inch deep; cultivate as for Onions. In July, prepare deep, rich soil in beds; transplant in rows 1 foot apart and 6 inches between plants. Set plants deep, draw earth up when hoeing to blanch properly. Select location where plenty of moisture can be had.

One ounce will sow 100 feet of drill.

Large Musselburgh. A favorite market sort of large size. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

Monstrous Carentan. Enormous size; broad leaves, spreading like a fan. Hardy, fine quality. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

Mustard

The green leaves are used as a salad or boiled for greens. Culture same as for Cress.

White English. The sort mostly used to grow for salads. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Lettuce

For early plants, the seed may be sown in September and transplanted into cold-frames for protection during the Winter, or sow in February or March in hotbeds with a moderate bottom heat, cover lightly, and thin sufficiently to prevent crowding; gradually harden by exposure. Transplant to the open ground in a sheltered location in April; set in rows 1 foot apart, and 6 inches apart in the row; when heads begin to form, thin out by using alternate plants in the rows; for succession, sow in prepared beds as soon as the ground can be worked and at intervals of two weeks during the Summer. To be crisp and tender, its growth should be vigorous and rapid, which requires rich soil, plenty of well-rotted manure and an abundance of moisture.

One ounce will sow 120 feet of drill.



Big Boston Lettuce

Chicken. Large-leaved tall growing variety producing an abundance of leaf growth which is stripped off for poultry green feed. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

White Boston. Similar to white seeded Big Boston. Leaves are free from brown tint; heart buttery yellow. Desirable for nearby Markets. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Black-Seeded Simpson. Much larger than Curled Simpson; large, loose heads of thin and exceedingly tender, light green leaves. Stands heat well; very early. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Big Boston. Resembles Boston Market, but nearly twice as large; desirable for forcing and outdoor planting. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

May King. The head is of globular shape, hard and well closed; the leaves are light green, with delicate ribs and lightly waved; the interior is of a clear yellow, very tender and of fine flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Early Curled Simpson. Compact, curly leaves; yellowish-green. It matures quicker than varieties forming firm heads, and is very early. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Grand Rapids. There is no better forcing type in the loose leaf varieties. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

New York No. 847. Pronounced by some Gardeners an improvement over other types of New York for spring and summer sowings. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Black-Seeded Tennis Ball. Popular for outdoor culture; heads well formed, hardy and crisp; excellent early heading. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Hartford Bronzed Head. Unequaled, forms large, compact, bronzy-red heads, shading to dark green toward root. Heart is rich cream-yellow; leaves thick and crimped. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.



May King Lettuce

Hanson Head. Most reliable for outdoor cultivation. In good ground the heads grow large. Outer leaves bright green, inner leaves white, tender and crisp; free from bitter taste. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

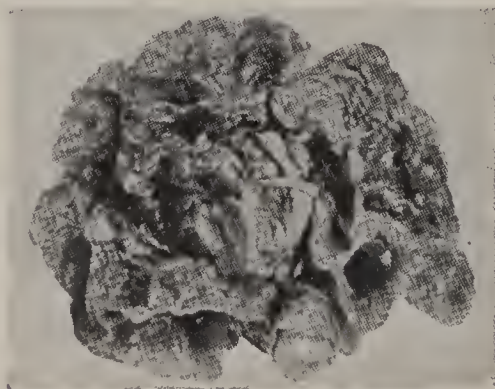
New York No. 12 (Los Angeles Iceberg). One of the largest varieties. Heads solid, crisp, and tender. This Lettuce must not be confused with Iceberg, which is a different type. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

New York No. 515. Stands hot weather well and is resistant to tip-burn. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.85.

Cos, Trianon Self-Closing, or Romaine. Finest Cos Lettuce; forms long, pointed, compact bunches; fresh, crisp and mild even in hot weather. Grows large, interior well blanched. One of the choicest varieties for serving in full leaf, as every part is tender and delicate. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Trianon Cos-Lettuce



New York No. 12

Melons

A warm, rich, sandy loam is best adapted for Melon culture. The middle of May is early enough for planting in the open ground, but the crop can be forwarded by starting in hotbeds on sods and transplanting the same as Cucumbers. Plant in hills 6 feet apart each way for Muskmelons and 8 feet for Watermelons. Mix in the hill one or two shovelfulls of well-rotted manure, press down and cover with earth; plant on this a dozen or more seeds $\frac{1}{2}$ inch deep. When danger of bugs is over, thin to three plants in a hill. When the main shoots are a few feet long, pinch off the ends, to force the laterals on which the fruit is borne. Spraying with Bordeaux mixture will generally prevent damage by bugs. Another good way is to plant Squashes a few weeks beforehand, and destroy the bugs that gather on the leaves.



Germāco
Hotkaps
New Method of
Plant Protection

Hotkaps permit earlier plantings and give complete protection from winds and cold rains.



Rocky Ford

Muskmelons

One ounce will plant 80 hills, 2 pounds for an acre.

GREEN-FLESHED VARIETIES

Extra Early Hackensack. Ten days earlier than the old variety of Hackensack Melon. Round in shape, flattened at the ends. Skin green, thickly netted; the flesh is also green, rich and sugary in flavor; very productive and grows to a good size. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Rocky Ford, or Golden Netted Gem. Round and uniform in size, weighing about 2 lbs each; skin green, thin and thickly netted; flesh thick, light green, of luscious flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Honeydew. A large, light-colored, smooth-skinned Melon, having a rather unusual shape and appearance. The fruits often weigh 8 to 10 lbs. each, and have a thick, light green flesh. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

SALMON or YELLOW-FLESHED VARIETIES

Delicious. The earliest large melon, thick salmon flesh. A good melon for the home Market and Roadside Trade. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Emerald Gem. An extremely early, medium-sized, prolific variety; skin ribbed and generally smooth, of a deep, emerald-green color. Flesh thick and of a beautiful, rich salmon, ripening thoroughly to the thin rind; unsurpassed in rich, delicious flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.35.

Bender's Surprise. This new Melon is a large, thick, heavily netted fruit; sweet flavor, no stringiness. An excellent home garden variety maturing early. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Improved Hearts of Gold. Disease-resistant, strong, vigorous vines, delightfully flavored fruit, medium size, round, distinctly ribbed, flesh a rich deep orange color, fine grained, spicy flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.35.



Bender's Surprise

CULTIVATE YOUR GARDEN THE EASY WAY WITH PLANET JR. GARDEN TOOLS. See page 58

Watermelons

One ounce will plant 15 hills, 4 lbs. for one acre.

Cole's Early. Cole's Early is a fine, everyday Melon for the amateur. It is very hardy, a sure cropper, and extremely delicate in texture of flesh, which is a dark red color; the rind is thin and the quality of the flesh is sustained clear to the rind. It is, however, exceedingly brittle, hence not desirable for shipping purposes, but possessing all the other most desirable features. We can highly recommend it for home use. The Melons are of medium size, nearly round in shape, rind green, striped with lighter shades. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Dixie. In form oblong; skin dark green, with a remarkably thin rind; flesh intense deep bright scarlet; very sweet, tender and juicy, quite early; very productive and grows to a large size. This variety is a fine shipper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Kleckley Sweets. Fruits are of large size; oblong in form, with dark green skin; very thin rind, which is quite brittle. Flesh bright scarlet with broad, solid heart, most crisp, sugary and melting; entirely free from any stringiness. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Phinney's Early. Very thin rind; flesh scarlet, sweet, luscious; medium in size, oblong in shape, and very early. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

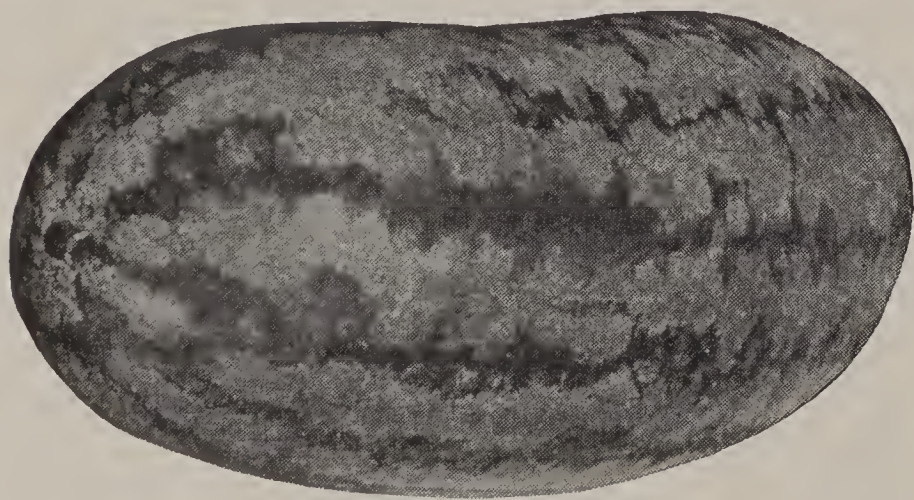
Mountain Sweet. An old favorite, form rather long, color dark green, seeds dark, flesh scarlet, solid, very sweet and delicious. One of the very best for general culture. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Cuban Queen. Skin beautifully striped dark and light green; the flesh is bright red, remarkably solid, luscious, crisp and sugary; very solid and the best of keepers; excellent to ship to distant markets; enormously productive. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Gray Monarch, or Long White Icing. This distinct Melon is, without doubt, one of the largest of all. The skin is a mottled gray color; shape long; flesh bright crimson and of sweet, delicious flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Ice Cream. Medium size, nearly round; color pale green; white seed, thin rind, flesh solid, scarlet, crisp, of delicious flavor and very sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Green Citron. For preserving; small, round, flesh white and solid. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.



Watermelon! "Yas Suh"

Okra

Grown for its green pods, which can be used in soups and stews. Sow the seed thickly in ordinary soil the middle or last of May, 1 inch deep in drills 2 feet apart; thin to 10 inches apart in the row.

One ounce will sow 40 feet of drill.

White Velvet. The pods are round and smooth; larger than those of any other sort; never prickly to the touch; produced in great abundance. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Mushrooms

Mushrooms are very easy to grow in any dark place where a uniform temperature of 50 to 60 degrees may be had. A dark cellar or shed, for example. Plant from September till January, in a bed composed of one-fourth loam and three-fourths fresh horse droppings, without much litter; mix thoroughly, put into a heap to ferment, and work frequently till it has cooled off somewhat.



American Pure Culture Mushrooms

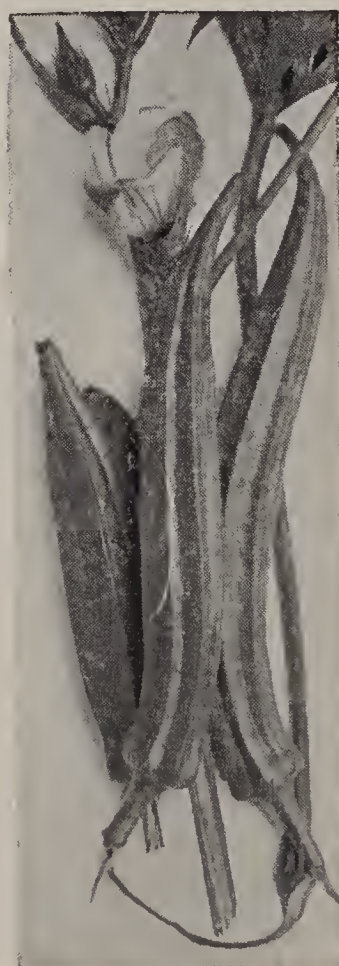
Now prepare a bed 4 feet wide, as long as desired, and build up on a firm, dry foundation. Pack the soil and manure solidly till the bed is level and about a foot high.

Thrust a thermometer into the center; when it registers 85 degrees, break the Mushroom Spawn into pieces about as large as hen's eggs, and plant it 2 inches deep and 10 inches apart all over the bed; cover and press down thoroughly. After 10 days or two weeks cover the bed with 2 inches of fine, fresh loam, pressed down firmly, and over this put 5 or 6 inches of straw or litter. If room is dry, spray occasionally with warm water. The Mushrooms will begin to appear in four to six weeks. They bring a good price, and are worth growing either for home or market.

Five pounds of Spawn for a bed 12 feet long and 4 feet wide.

American, Pure Culture. In bricks of about 1 lb. Brick 35 cts., 10 bricks \$3.00.

Add to the price of Mushroom Spawn 10 cts. for the first brick, and 1 ct. additional for each succeeding brick, when ordered sent by mail.



Okra

Nasturtium

Cultivated for use and ornament. The seeds when green, resemble capers, and are used for pickling. The flowers are beautiful and in great variety (see flower seed list). Sow after the ground is warm, in drills $\frac{1}{2}$ inch deep, the dwarf varieties in beds and the tall ones by the side of the fence, trellis or some other support to climb on. They will thrive on any good ground in almost any situation, but are most productive in light soil.

One ounce will sow 20 feet of drill.

Tall Mixed. A showy, graceful climber. The sort mostly grown for pickles. Height about 10 ft. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Dwarf Mixed. A border plant about 1 foot high. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Onions

The Onion is not so particular about the character of the original soil as many suppose. Good crops can be obtained on almost any soil not too wet, nor too dry, except a stiff clay, light sand, or hungry gravel. It is essential, however, that the land should be made rich by the thorough incorporation of manure in clean tillage for at least two years from the sod; heavy or rather clayey or moist (not wet) loam generally produces the largest Onions. If coarse manure is to be used, spread on twenty or thirty loads to the acre about the middle of November and plow in, not very deep. In March or April, as soon as the ground will work, plow 4 inches deep, and spread on a good dressing of fine compost, bone dust, or fertilizer. Harrow and cross harrow until the soil is fine and level. However early, a favorable opportunity to put in the seed should not be allowed to pass. Sow in drills 12 inches apart in the garden and 14 inches apart for field culture, cover $\frac{1}{2}$ inch. It requires 4 to 6 pounds for an acre, 5 pounds is about right for medium-sized Onions. It is of the utmost importance to use good seed, not only good, strong-growing seed, but seed that has been raised from good-sized, well-ripened, selected Onions. They require three or four weedings in the row, but if care is taken in sowing to keep the rows straight and uniform, the wheel hoe will run so close to them that there will be but few weeds to remove by hand. It is known to gardeners that if Onions once get choked with weeds they never fully recover so as to produce a full crop. A top dressing of high grade fertilizer applied after the second weeding is very beneficial.

One ounce will sow 100 feet of drill, 5 pounds for one acre.

Wethersfield Large Red. The standard red variety large size, skin deep, purplish-red, form round, somewhat flattened, flesh purplish white, very productive, the best keeper and one of the most popular for general cultivation. As a market Onion the Wethersfield is superior to many other varieties; everybody knows it and it is always in demand. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

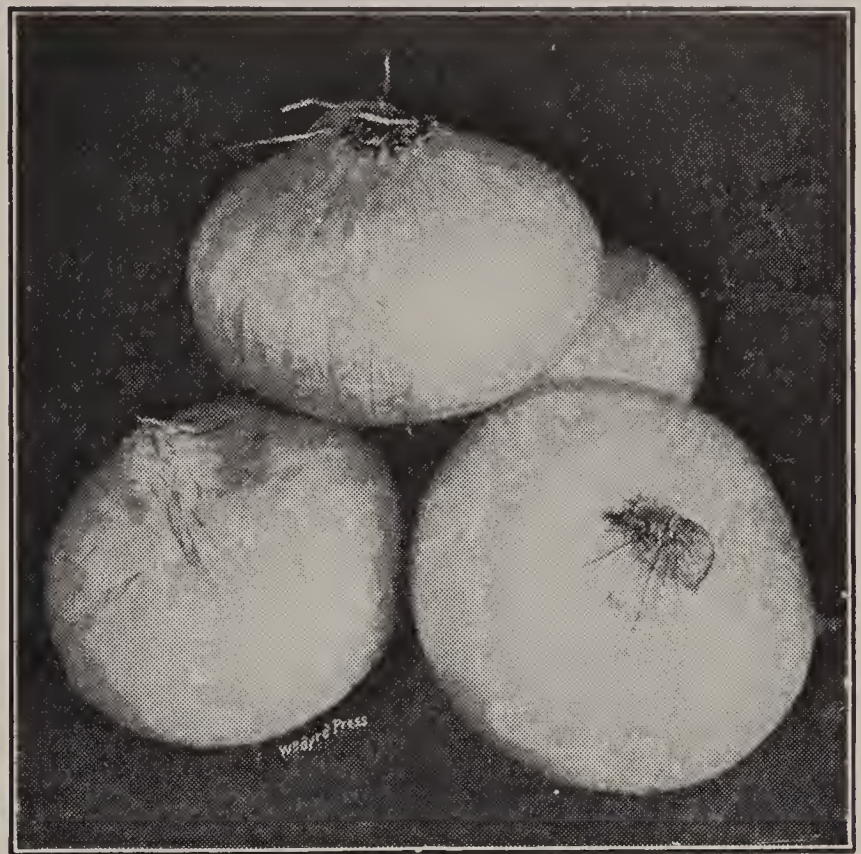
Southport Red Globe. This sort grows large to medium size. Spherical in shape and of a very deep, rich red color. Good market sort because of color and size. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Yellow Globe Danvers. Of large size; an early and abundant cropper; very thick bulb, flat or slightly convex bottom, full oval top, with small neck, and rich, brownish-yellow skin. We ask attention to the seed we offer, which was grown from a fine and perfect selection of this variety. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Mammoth Prizetaker. Of enormous size, averaging from 10 to 16 in. in circumference, and a good Winter keeper. The outside skin is of a rich yellow color, while the flesh is white, sweet and tender. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.



Yellow Onion Sets



Yellow Globe Danvers Onion

Southport Yellow Globe. Form nearly ovoid, regular and symmetrical; mild and pleasant flavor; some later than the other yellow sorts. Keeps well. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Southport White Globe. Yields abundantly, producing handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained, and of mild flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

White Portugal, or Silver Skin. Very early; rather flat in shape, mild flavored. Does not keep so well as most other varieties. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Extra Early Barletta. An Italian variety. The very earliest Onion in cultivation; of small size, color pure white, flavor mild and delicate; makes a handsome and profitable bunching sort, especially if started indoors and transplanted. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.



Prizetaker

Onion Sets

Plant on good soil in 12-inch shallow drills, 3 inches apart in the drill, and slightly cover; the earlier they can be put in the ground the better. Keep free from weeds and gather a little earth to them in the process of cultivation. They are ready for use as soon as the bulbs begin to be of fair size. Prices variable as to market.

6 to 12 bushels (according to size) are required to set an acre in drills. Prices subject to change. Onion Sets are sold at the rate of 32 lbs. per bus. or 1 lb. per qt.

Yellow Onion Sets. Qt. 30 cts., 4 qts. 90 cts., pk. \$1.50.

White Onion Sets. Qt. 30 cts., 4 qts. 90 cts., pk. \$1.50.

Red Onion Sets. Qt. 30 cts., 4 qts. 90 cts., pk. \$1.50.

Special prices for large quantities on application.

USE GRO-FAST FERTILIZER FOR FINER ONIONS—SEE PAGE 60

Peas

Two pounds will plant 100 feet of drill, 84 pounds one acre.

For first early crop, sow Improved East Hartford Extra Early as soon as the ground can be worked in Spring. Select a rich, light, sandy soil, dry and well sheltered.

For the general crop, a deep, rich loam is best; the soil cannot be too rich for the dwarf varieties. Avoid using coarse, rank manure, as it drives the plants to vines without pods.

For market crop, sow in rows 2 to 4 feet apart, according to the variety. In the kitchen garden, sow the tall varieties in double rows 6 to 8 inches apart, and stick brush firmly between the rows when the vines are about 6 inches high. Sow the dwarf varieties in single rows a foot apart; cover 2 to 4 inches, according to the character of the soil and the time of planting, deepest on light soils and in late planting. Deep planting prevents mildew and prolongs the bearing season, yet in cold, heavy soils the seed is liable to rot if planted deep. If drills are made 5 inches deep and the seed covered only 1 or 2 inches, the earth can be gradually drawn into the trench as the plants grow; in this way a good stand can be had at a good depth. The wrinkled varieties are not so hardy as the hard, smooth sorts, and cannot be planted so early; they are, however, the sweetest and best flavored.

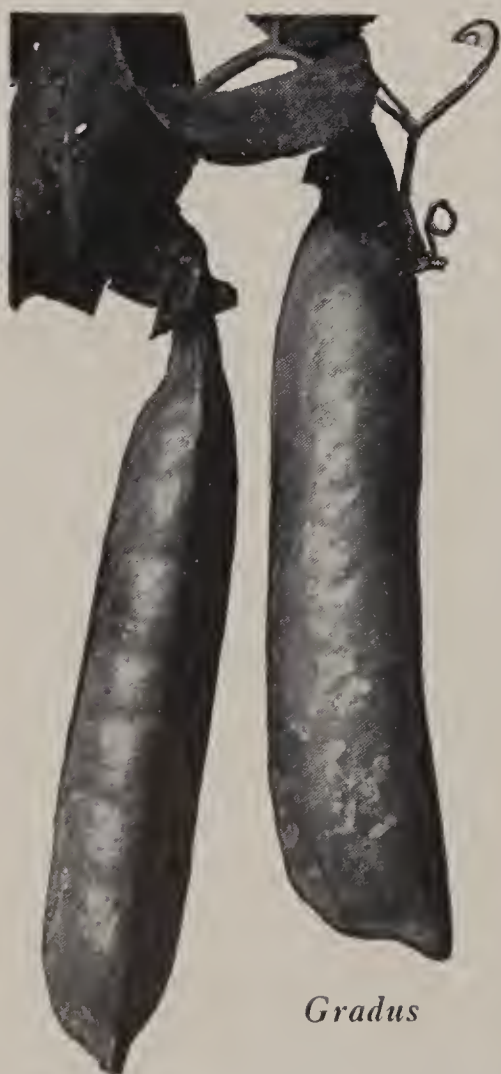
A succession may be had by sowing two weeks after the first early, the early, medium early, medium late, and late varieties at one time, so that they will follow for use one after the other.

1 lb. equals heaping pt., 2 lbs. equals heaping qt.

ALL VARIETIES, 15 cts. PER PKT.

To increase your crop of Peas, inoculate with Nodogen. Easy to use. Small cost. Large returns. See page 45.

EXTRA EARLY VARIETIES

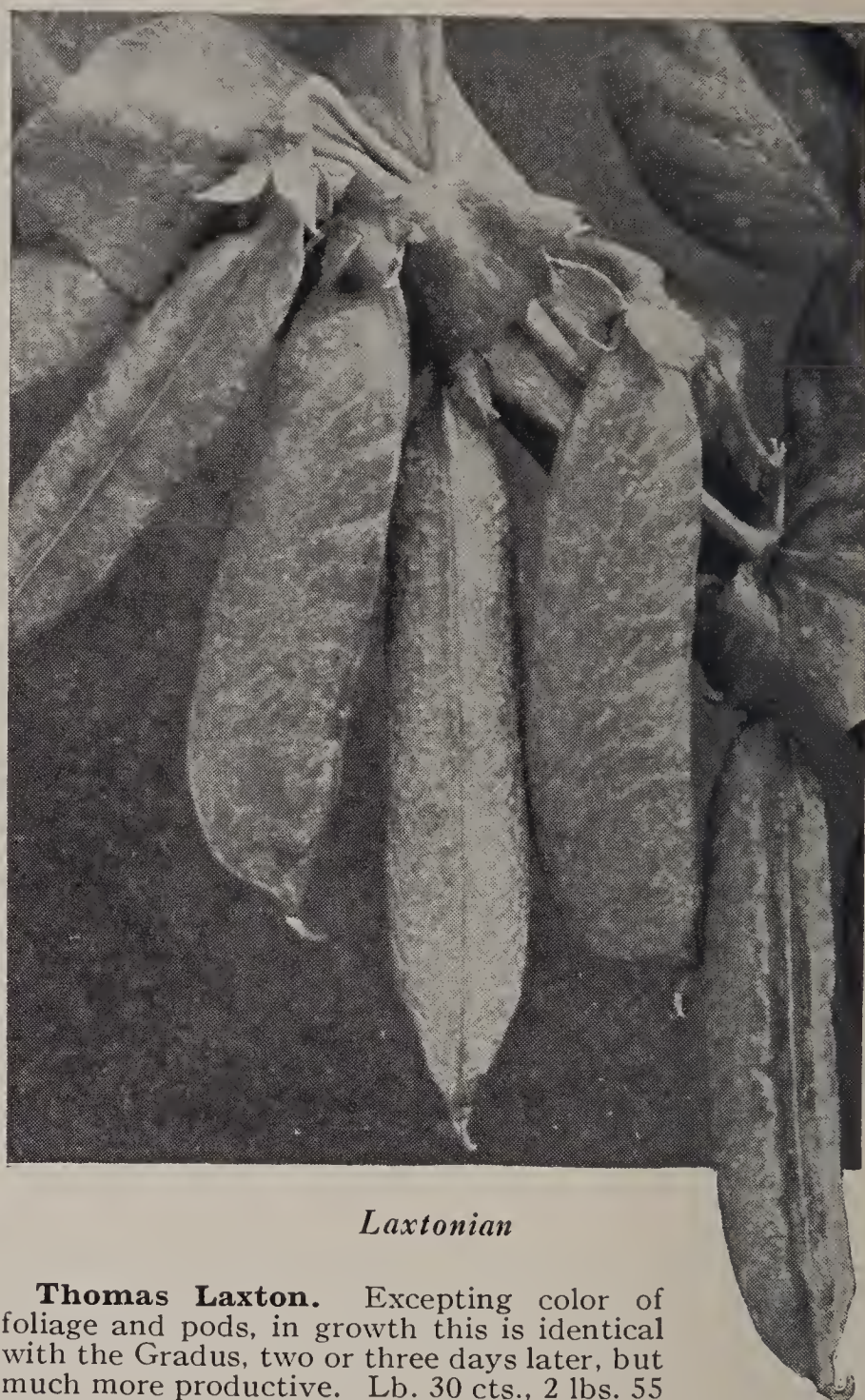


Gradus

Hawley's Improved East Hartford Extra Early. The very earliest market Pea in cultivation; of good quality and great productiveness, vines growing to a uniform height of 2½ feet and Peas maturing in two pickings; the very best variety for early market cultivation. Lb. 30 cts., 2 lbs. 50 cts., 7½ lbs. \$1.50, 15 lbs. \$2.25, 60 lbs. \$8.40.

Gradus. World's Record Strain. The vines grow 3 feet in height, with heavy stems and large, light green leaves. Hardy, productive, pods 4 to 4½ in. long, filled with tender Peas, rich in flavor, with all the good qualities of the later marrow sorts yet only a few days later than the East Hartford. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.50; 14 lbs. \$2.25, 56 lbs. \$8.40.

Alaska. A blue Pea of excellent quality. The earliest of all the blue sorts. A desirable early Pea for market gardeners, growing from 2 to 2½ feet and very productive. Lb. 30 cts., 2 lbs. 50 cts., 7½ lbs. \$1.50, 15 lbs. \$2.25, 60 lbs. \$8.40.



Laxtonian

Thomas Laxton. Excepting color of foliage and pods, in growth this is identical with the Gradus, two or three days later, but much more productive. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.50, 14 lbs. \$2.25, 56 lbs. \$8.40.

DWARF VARIETIES

Sutton's Excelsior. Earliness and habit of growth same as Nott's Excelsior, with the added merit of producing abundantly much larger and handsomer pods than any other dwarf early, wrinkled sort. Peas large, tender and delicious. Height 12 in. Lb. 30 cts., 2 lbs., 55 cts., 7 lbs. \$1.50, 14 lbs. \$2.25, 56 lbs. \$8.40.

Nott's Excelsior. An extra early dwarf variety of branching habit. Grows to the uniform height of 1 foot. Remarkably hardy and productive, pods large, with from 7 to 9 fine Peas to a pod. Very sweet and fine flavor. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.50, 14 lbs. \$2.25, 56 lbs. \$8.40.

Laxton's Progress. One of the best new dwarf wrinkled varieties. Its fine quality and production cannot be excelled, growing 14 in. high with large well filled pods. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.50, 14 lbs. \$2.25, 56 lbs. \$8.40.

Laxtonian (Hundredfold). This variety is best described as a dwarf Gradus. The vines grow about 14 in. high, bearing a profusion of dark green pods, with eight or nine large peas in each, of a quality equal to the Gradus, and in season fully as early. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.50, 14 lbs. \$2.25, 56 lbs. \$8.40.

Have a succession of Peas throughout the entire season by planting every two weeks up to May 25th.

Peas planted August 1st will supply delicious peas before frost.

Parsley Is a Useful and Ornamental Garden Edging Plant

ALL VARIETIES OF PEAS, 15 cts. PER PKT.

PEAS—Continued

New Dwarf Champion. A robust, hardy variety, growing only 26 in. high, following the Sutton's Excelsior, producing in abundance handsome, large, dark green pods well filled with good-sized Peas, and possessing all the merits of the Telephone. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.50, 14 lbs. \$2.25, 56 lbs. \$8.40.

LATER VARIETIES

Alderman. A large podded, wrinkled Pea of robust habit. Pods 5 to 6 inches long, well filled with Peas of excellent flavor. 5 to 6 ft. tall. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.50, 14 lbs. \$2.25, 56 lbs. \$8.40.

Dwarf Telephone. Height under high culture, 18 in.; habit dwarf, stocky, healthy, vigorous; plants frequently bearing from 5 to 7 pods. Pods long, frequently 5 in. in length, remarkably well filled, often containing ten delicious Peas. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.50, 14 lbs. \$2.25, 56 lbs. \$8.40.

Telephone. A nice, medium late, wrinkled variety growing 4 ft. high; very productive, having long, slightly curved pods, well filled with Peas of large size and best quality. Lb. 30 cts., 2 lbs. 55 cts., 7 lbs. \$1.50, 14 lbs. \$2.25, 56 lbs. \$8.40.

Sugar Peas. Edible Pods Mammoth Melting Sugar. The best known of the edible-podded Peas, bearing a large crop of fleshy tender pods, sweet and delicious. Lb. 35 cts., 2 lbs. 60 cts., 7 lbs. \$2.00, 14 lbs. \$3.50, 56 lbs. \$10.00.

Pea Brush, 4 to 6 feet.

Treat Your Peas With CUPROCID (Red Copper Oxide)

To prevent Disease and Stimulate Growth. Use $\frac{1}{4}$ teaspoonful to 1 lb. of seed. 4 oz. can 35 cts.

Parsley

This seed is very slow to germinate and usually two or three weeks will elapse after sowing before the plants make an appearance. To hasten it, soak a few hours in tepid water, and when it swells sow thickly in shallow drills 1 foot apart and cover lightly; thin out the plants to 3 or 4 inches apart in the row. It can be forwarded by starting in the hotbed in February and transplanting to the open ground later. Protect in coldframes or a light cellar for winter use.



Champion Moss Curled Parsley

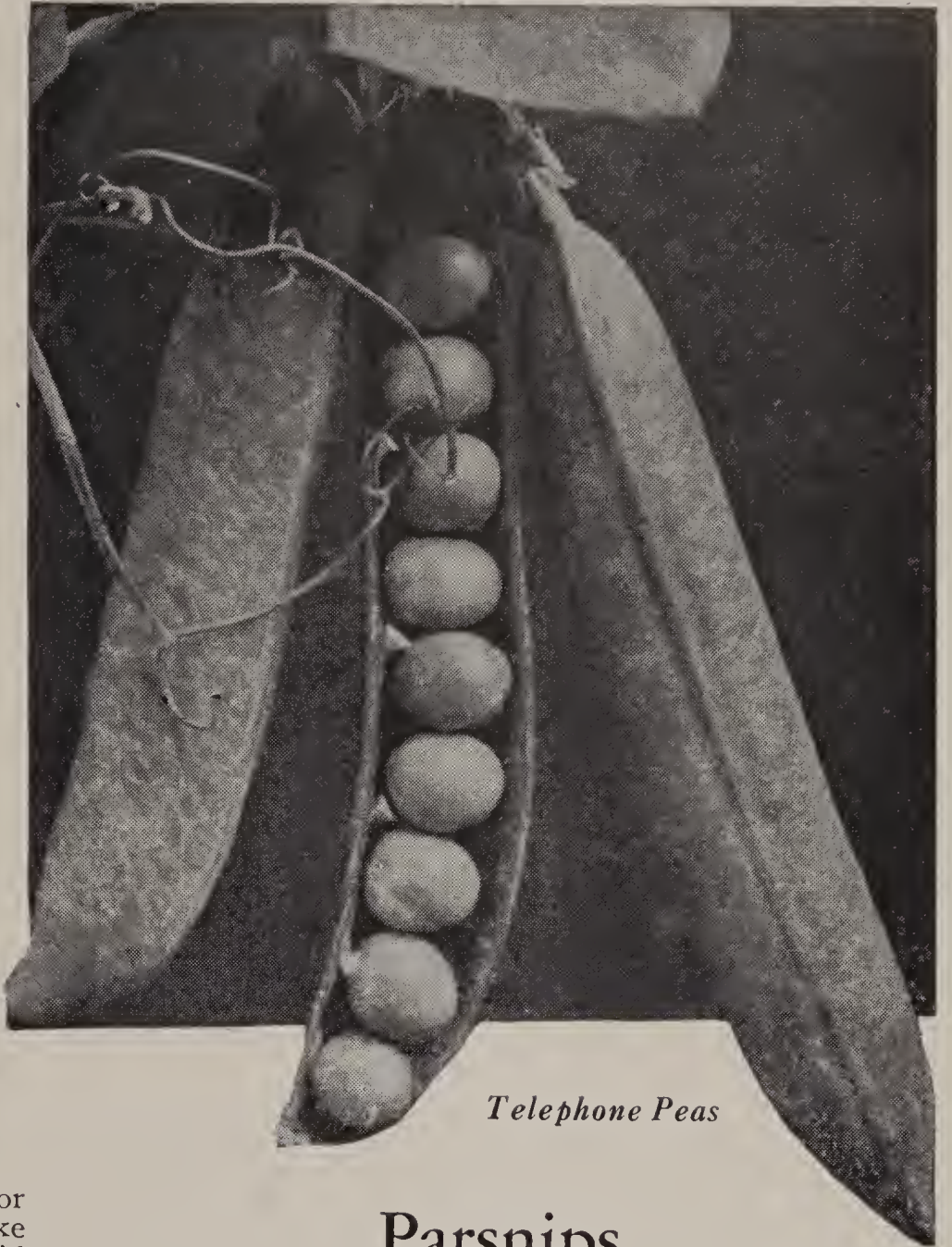
One ounce will sow 150 feet of drill.

Champion Moss Curled. Rather dwarf; of the richest green; beautifully crimped and curled; very ornamental. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Extra Fine Curled. A fine dwarf variety, well curled; excellent for garnishing. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Plain-Leaved. Not much curled; used in soups; rather stronger flavor than the other sorts. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Hamburg, or Rooted. The roots of this type resemble Parsnips, served similar or used in flavoring soup. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.



Telephone Peas

Parsnips

As it is slow to germinate, plant only new seed and that liberally. Sow in April or early in May, in rows 12 to 15 inches apart; cover not more than $\frac{1}{2}$ inch and press the earth firmly on the seed. When well up, thin the plants to 4 inches apart in the rows. Parsnips are improved by frost, therefore a part of the crop should be left to stand in the ground over the Winter.

One ounce will sow about 200 feet of drill, 5 to 6 pounds to 1 acre.

Ideal Champion Hollow Crown. Roots long, white, smooth, free from side roots, tender, sweet and of excellent flavor. The tops are small and the crown is surrounded by a slight depression. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Long White Sugar. A great cropper, tender and sugary; roots smooth and long. An old standard sort used for general cultivation. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.



Long White Sugar Parsnips

Pepper

Sow the seed in the hotbed in April, or in a warm, sheltered spot out-of-doors in May. Transplant in June into warm, mellow soil in rows 2 feet apart, and 15 inches between the plants in the row. Earth up a little at one or two hoeings.

One ounce will produce about 2,000 plants.

Sweet Mountain. Fruit large, early, sweet and pleasant to the taste; less pungent than most other sorts. It is much esteemed for pickling, for its mildness, as well as for its thick, fleshy, tender rind. The fruits are borne freely. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Large Bell, or Bull Nose. Similar in shape to the Sweet Mountain, except that it is smaller, more tapering, and usually terminates in four obtuse points; rind thick, fleshy and tender. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Ruby King. This variety grows to an extraordinarily large size. When ripe, a handsome, bright, ruby-red color; remarkably mild and pleasant to the taste. For stuffing, no other variety can equal it. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

California Wonder. Thick, fleshy, early and prolific, color glossy dark green. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Squash, or Pickling. Best for pickling, Tomato-shaped, thick meated and productive. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

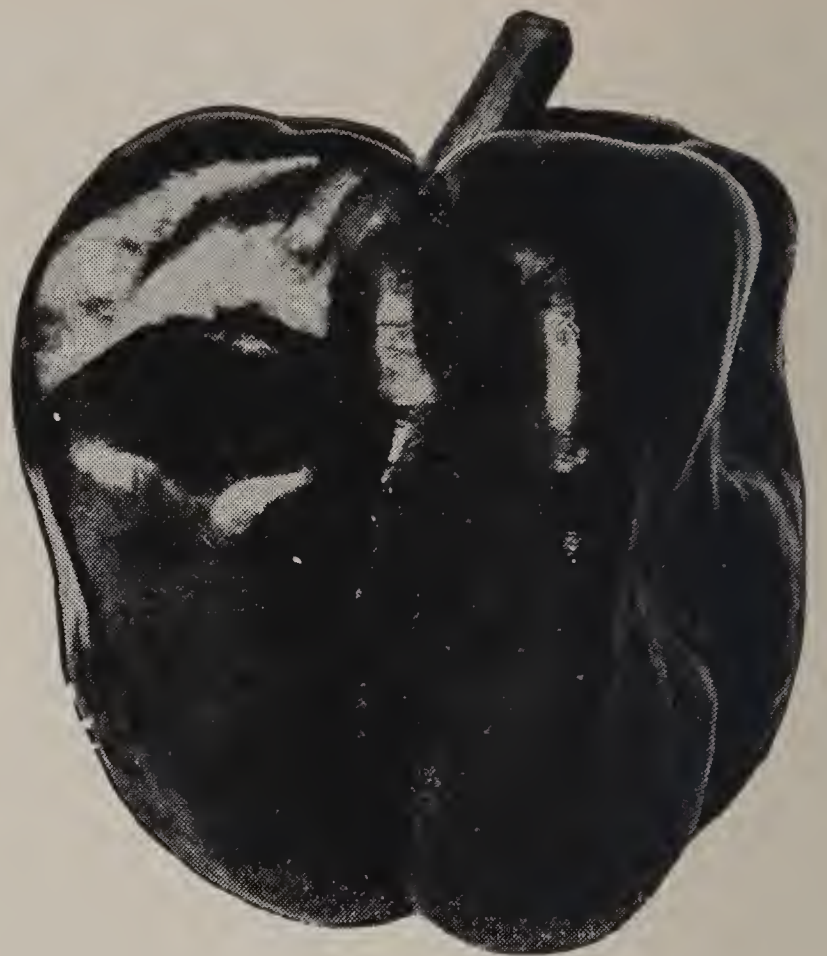
Neapolitan, or Sweet Italian. The earliest of the large Sweet Peppers. Thick meated and very productive. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Long Red Cayenne. Fruit brilliant, coral-red; conical, often curved toward the end, from 3 to 4 in. in length; 1 to $1\frac{1}{2}$ in. in diameter; very productive. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Cherry Red. A small, smooth, round variety of dwarf growth; fruit at maturity of a deep, rich, glossy scarlet. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.75.

Chili. Pods pendant, sharply conical; about 2 in. in length, $\frac{1}{2}$ in. in diameter. The variety generally used for Peppersauce. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.75.

Chinese Giant. Very large, flesh mild and thick. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.



Large Bull Nose Pepper

Harris Early Giant. Earliest and one of the largest Peppers grown. Flesh thick, of a very sweet flavor. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Windsor A. A variety developed by the Conn. State Dept. of Agriculture. It bears a large crop of thick walled fruits, of fine flavor and mildly pungent. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.25.

World Beater. Large green fruits thick sweet flesh, uniform size and shape. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Potatoes

The potato seems to thrive in almost any soil or climate, but a good, sandy loam suits it best. Old sod plowed the previous Fall will produce the most abundant and certain crops. On no other crop are the results from the use of phosphates more manifest than on the Potato. Organic manure promotes rot and other diseases, while commercial fertilizers prevent them and will grow smooth, fine tubers. Plant as early in the Spring as the ground can be thoroughly worked, in rows 3 feet apart and 10 inches apart in the row; plant one or two eyes in a hill (cut from the surface to the center of the tuber), cover 3 to 4 inches. Cultivate frequently from the time the young plants appear above the surface of the ground until they blossom. At each hoeing, throw the earth up to the plant for support and to develop the side shoots. In some sections, flat culture is preferred to ridging, especially when drought prevails, or the soil is light and sandy.

From 12 to 15 bushels are required to plant an acre.

OUR PRICES for Potatoes will always be found as low as the market will permit, quality considered. On account of fluctuations in values which we cannot anticipate at the time our catalog is issued in January, prices are omitted.

Lowest market prices on application.

Certified Northern Grown Seed

Irish Cobbler. Very early, big yielder, best quality; shape round to oblong.

Green Mountain. A leader in market; one of the best yielders, keepers, and sellers ever introduced; of fine quality.

Semesan Bel

An Instantaneous Dip Disinfectant for Seed Potatoes.

4-oz. tin.....	\$0.45	25-lb. pail.....	\$ 31.00
1-lb. tin.....	1.50	100-lb. drum.....	122.00
5-lb. tin.....	6.75	300-lb. drum.....	355.00



Irish Cobbler Potatoes

Pumpkin

Culture same as Winter Squash; if planted with Corn, drop two or three seeds in every third or fourth Corn hill at the time of the first hoeing. If planted in fields by themselves, drop five or six seeds in hills 8 to 10 feet apart each way, cover about $\frac{1}{2}$ inch, and thin out to three plants in each hill after the vines are well started.

One ounce will plant 10 to 15 hills, 2 to 3 pounds for one acre.

Big Tom. This grand new Pumpkin is the result of many years' selection from the old Golden Marrow or Michigan Mammoth Pumpkin. The skin and flesh are of a deep, rich orange color; of excellent flavor for pies, etc., cooking soft and tender. For table use and stock feeding no more profitable or better variety can be grown. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Connecticut Yellow Field. A large yellow variety; the best for field culture; very productive; used by some for culinary purposes, but largely grown for feeding stock. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

King of the Mammoths. This is truly a giant among Pumpkins; specimens have been grown to weigh 250 lbs. In shape it is round, flat and slightly ribbed; color of skin and flesh bright golden yellow and of good quality, making excellent pies, but grown principally for stock; its extreme size makes it a prize winner for exhibition purposes. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Sweet, or Sugar. This is a small, round and very prolific variety; skin and flesh deep orange yellow; very fine-grained, sweet and fine for pies. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Winter Luxury. The very best Pumpkin for pies. It grows round and uniformly to a diameter of 10 to 12 inches. Color a beautiful golden yellow, very closely netted. As a Winter keeper it stands unequaled. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.



Rhubarb

Rhubarb

Can be grown from seed or from the single eyes taken from large roots. If from seed sow early in April in $\frac{1}{2}$ -inch drills, thinning to 6 inches apart. In the permanent bed set plants 3 feet apart each way. Cultivate and enrich soil at least 2 feet deep. **One ounce will produce 700 plants.**

Victoria. The variety in general use for the market. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.25. **Roots,** 15 cts. each, \$1.50 per doz., \$10.00 per 100.



Germaco
Hotkaps

Hotkaps permit earlier plantings and give complete protection from winds and cold rains.



Pumpkin

Radish

To succeed with the Radish, everything must be done which will promote steady, rapid growth. A light, rich, sandy soil is best, and for early Spring Radishes the seed should be sown in February in hotbeds, providing gentle heat. Sow in rows 6 inches apart, cover lightly; when plants are well up, thin to 1 or 2 inches apart in the rows. As soon as ground can be worked transplant out-of-doors in beds of finely prepared soil. Rows 8 to 10 inches apart. For a later succession sow every 10 days or two weeks. Sow the seed for Winter varieties in July or August, take up before the first severe frost, pack in sand and store in a cool cellar.

One ounce will sow 100 feet of drill.

Extra Early Deep Scarlet Turnip. Small top; very early; one of the best for forcing; matures in three weeks or less. Small, globular, deep rich red; flesh white; crisp and tender when young. May be planted closely. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 80 cts.



*Radishes from your Garden are always
Crisp and Tender*

You Can Grow Tender Crispy Radishes Almost Anywhere

RADISHES—Continued

Early Deep Scarlet Turnip. Small, round, dark red, turnip-shaped; small top; quick growth; flesh white, crisp and tender. More generally used for outdoor planting and forcing than others. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Early Scarlet Turnip, White-Tipped. One of the handsomest; a great favorite for early planting outdoors; roots slightly flattened beneath; deep scarlet, with white tip; flesh white and of the best quality. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 80 cts.

French Breakfast. Medium size; olive-shaped; small top; quick growth; crisp and tender; scarlet except near tip, which is pure white. Splendid for table on account of its excellent qualities and beautiful color. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 80 cts.

Early Scarlet Globe. The roots of this variety are slightly olive-shaped and a rich, bright scarlet in color. The flesh is white and tender. We recommend this as a large, first-early Radish. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 80 cts.

Early Long Scarlet. 6 or 7 in. long; half out of ground; straight and smooth; bright scarlet. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 80 cts.

Icicle. The earliest long white Radish of extraordinary crispness and tenderness; very fine for Summer planting. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 80 cts.

Earliest White Olive-Shaped. The earliest of all. Good-sized Radishes have been pulled 18 to 20 days after sowing; pure white, oblong, crisp and tender. Tops are small, rendering them suitable for forcing, and admit of close planting. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 80 cts.

Early White Giant Stuttgart. Roots often 4 in. in diameter; skin white, flesh white and crisp, remaining so until very late; excellent for Winter use. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Round Black Spanish Winter. Roots round, 3 to 4 in. in diameter; skin black, flesh white, compact and highly flavored. Excellent sort for Winter. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.

Long Black Spanish Winter. One of the latest as well as the hardiest; considered excellent for Winter; roots oblong, black, large and firm. Is an excellent keeper. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts.



White Icicle Radish
Very fine for summer, crisp, tender

Squashes



Giant Summer Straightneck

Early White Bush Scalloped. Shaped like yellow; lighter colored. Larger, coarser and later. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Delicious. Grows to weigh 5 to 10 lbs. and is considered one of the best table, Fall and Winter Squashes. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Early Prolific Orange Marrow. Ripens two weeks ahead of the Boston Marrow, and excels it in productiveness and keeping qualities. Orange-red, medium size, sweet flavor, thick, high-colored orange flesh, fine grained and dry when cooked. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Not safe to plant before May 15. Prepare and enrich soil as for Cucumber, and plant seed in hills, 3 to 4 feet apart each way if for Summer varieties, and 6 to 8 feet for the later sorts. Plant 8 to 10 seeds in each hill, covering $\frac{1}{2}$ inch deep, and as soon as plants have set their rough leaves and danger of bugs is past, thin to four plants per hill. **Of the early varieties, one oz. will sow 40 hills, and 10 hills of the later sorts, 4 to 6 lbs. for one acre.**

Early Golden Summer Crookneck. Richest and best for Summer, early and productive. Small, crook-necked, covered with little warts (the more the better). Color light yellow; shell hard when ripe, used only when young and tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Early Prolific Straightneck. Medium sized strain of creamy yellow color. Straight uniform fruits. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Giant Summer Straightneck. Similar in appearance to the Crookneck except that the fruit is straight making this a very fine sort for packing. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.



Early White Bush Scalloped

DUST SQUASH VINES FREELY WITH SULROTE—SEE PAGE 49



Improved Hubbard Squash

SQUASHES—Continued.

Table Queen. In size Table Queen equals a fair-size, husked cocoanut and a half baked serves one person amply. Unusually thin skin. The meat is dry and mealy, yields enormously, a few hills furnishing an ample supply for a good-sized family. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Hubbard. The standard Winter Squash, grown more extensively than any other late variety; dark green, shell hard, flesh dry, fine-grained, sweet; an excellent keeper and with some care will keep three months later than the Marrows. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Italian Vegetable Marrow (Cocozelle di Napoli). The fruits are oblong, average 12 in. in length, color dark green, often striped. They may be prepared for the table the same as any other variety of Summer Squash, but are delicious when cooked like Egg Plant. Picked young and cooked this way they are a delicacy. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Long Italian Cuzuzzi. Extra long light green. When grown on a trellis is 4 feet long and straight. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Golden Hubbard. Identical in form and quality with the well-known Hubbard Squash except that the heavily warted skin is a beautiful golden. Flesh is deep orange to rind. Cooks very dry; fine-grained and well-flavored. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Blue Hubbard Squash. A distinct sport of the well-known Hubbard. The skin is a peculiar shade of light blue. It is very uniform in size, with very firm dry flesh. It is also a fine keeper and makes an excellent market variety. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



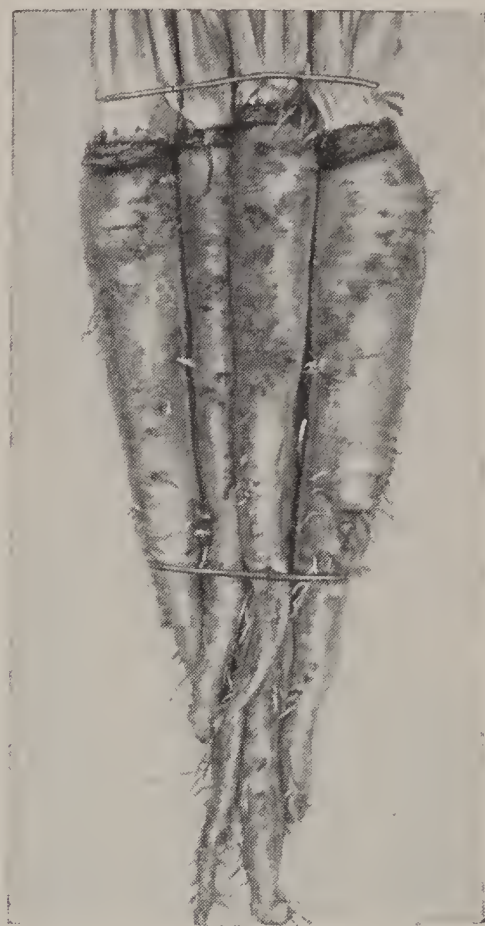
Bloomsdale Long Standing Spinach

Salsify, or Vegetable Oyster

Plant and cultivate same as Parsnip, as it is perfectly hardy; it can remain in the ground during the Winter, but should be lifted in the Spring before it commences to sprout. Store a supply for Winter use in a cool cellar like other root crops.

One ounce will sow 100 feet of drill.

Sandwich Island Mammoth. This improved type of Salsify has entirely superseded the old variety, being nearly double the size, very smooth, white, and of fine quality. The roots being mashed or when made into fritters, it is almost impossible to distinguish them from the oyster fritters. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.



Salsify

Sorrel

Large Leaved French. Use for soups and salads. Sow seed in any good garden soil in shallow drills a foot apart. Thin plants to a few inches apart and remove seed stalks as soon as they appear. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Spinach

Thrives best in the richest soil you can give it. Plant seed in drills 12 to 14 inches apart, using plenty of seed, and cover about an inch deep, pressing soil down firmly. For early Spring, sow in August or September, covering the bed lightly during Winter with litter which should be removed as soon as growing commences in Spring. For Summer sow in Spring as soon as ground can be worked, thin to 3 inches apart in row, and for a succession repeat every two weeks.

One ounce will sow 100 feet of drill, 8 to 12 pounds for one acre.

Viroflay, Thick-Leaved. One of the best for market or kitchen garden. Quick-growing, round-seeded variety; thick dark green leaves, slightly crumpled; suitable for either Spring or Fall sowing. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 45 cts.

King of Denmark. This Spinach grows rapidly and produces large, thick crumpled leaves of a beautiful, dark green color. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 45 cts.

New Victoria. A favorite for Spring planting. Fine texture, deep green, with heavily crimped, thick, fleshy leaves and deep red stem. Remains in good form after other sorts have gone to seed. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 45 cts.

Bloomsdale, Long Standing. Very hardy, with leaves curled and wrinkled like a Savoy Cabbage. One of the best for Fall sowing. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 45 cts.

New Zealand Summer. Not a Spinach, but used as such. Grows 1½ feet high and is very prolific; does well in hot Summer weather when the ordinary Spinach cannot be had; valuable for hot climates. Soak the seed in hot water before using. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 65 cts.

SWISS CHARD. See Beet, page 25.

Tomatoes

Tomatoes thrive best on a light, warm, not over-rich soil. For early plants sow in the hotbed in drills 3 inches apart, four or five seeds to the inch, cover lightly, or they may be started in the sunny window of a warm room. Transplant when 2 inches high into other hotbeds, or into boxes or single pots, and place in the frames; if potted, it is well to plunge the pots into the earth level with their tops. Avoid crowding the plants; 4 inches is as near as they should stand in the frames. Lift the sash on warm, sunny days, and two or three weeks before setting outside gradually harden by exposure to the night air. Set 4 feet apart each way in the open ground in May, as soon as danger from frost is past. For later use sow in the open ground in May, transplant when large enough to handle. By training the vines on trellises or tying up to a stake the fruit will ripen better, be of better quality and of increased productiveness.

One ounce will produce about 1,200 plants.



Bonny-Best

Spark's Earliana. The earliest large Tomato in the world; it is not only remarkable for its earliness, but for its very large, uniform size, handsome shape, beautiful bright red color and wonderful productiveness. It is smooth and solid, quite thick through and with solid center. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.85.

Bonny-Best. Within one week as early as the famous Spark's Earliana; the fruits are uniformly larger, thicker through, more solid and of finer quality. Both early and throughout the season the Tomatoes are uniformly of good size. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.85.

John Baer. Excellent quality, firm, good sized smooth Scarlet fruit, good canner. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.85.

Dwarf Champion. The plants grow stiff and upright, with thick-jointed stems and foliage unlike most others, of an unusually dark green color; the fruit is medium in size; pink color. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.85.

Livingston's Dwarf Stone. Is another splendid variety from Livingston. It resembles the Dwarf Champion in vine, with fruit double the size, yet equally early. In color and shape it resembles the Livingston's Stone and is practically the same size. It ripens evenly; is free from cracks about the stem. The flesh is firm and solid; it is also very prolific. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.85.

Greater Baltimore. Vigorous main crop variety. Fruit bright scarlet and solid. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.85.

Pritchard Scarlet Topper. A development of the U. S. Dept. of Agriculture, much in favor as a canning sort. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.85.

Marglobe. Developed by the Bureau of Plant Industry, U. S. Dept. of Agriculture. An extremely heavy cropper, with large, smooth, meaty red fruits free from cracks. Rust and wilt resistant. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.85.

Livingston's Stone. This Tomato has already obtained great favor with canners and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is red, perfectly smooth and thicker from stem to blossom end than most varieties, making it very handsome and salable. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.85.

Ponderosa. No other Tomato approaches this for size, weight and solidity. The vines are strong and vigorous, and easily carry their enormous weight of fruit. Its color is of a dark rich crimson, flesh solid. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.25.

Oxheart. Extremely large late pink-fruited tomato. A novelty in size and shape. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.25.

Golden Queen. A really good yellow sort of first-class quality. It is solid, smooth; entirely free from ridges; large in size, ripens up early and is a very handsome sort; the larger and riper fruits are frequently tinged with red at the blossom end. None excels it for eating raw or slicing. Makes beautiful preserves. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Yellow Plum. Fruit plum-shaped, clear, deep yellow color and fine flavored; much esteemed for preserves. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Strawberry, or Husk Tomato. This, unlike other varieties, grows in a husk or pod, and may be kept all Winter if the husks are not removed. Pkt. 10 cts., oz. 60 cts.



Pritchard Scarlet Topper

USE "CUPROCID" ON TOMATO SEEDS—SEE PAGE 47

Turnips

The old adage: "Sow Turnips the 25th of July, wet or dry," still holds good for the main crop, but excellent results are often obtained from seed planted early in August. New land, plowed the previous Spring, is good; harrow thoroughly and dress liberally with first-class commercial fertilizer. Sow broadcast and rake or bush in. For Summer use, sow early, flat varieties as soon as ground can be worked in Spring in drills 12 to 14 inches apart; cover lightly and thin 6 to 8 inches apart in the rows. Don't use fresh manure, as it makes the roots rough and useless.

**SEMPER
DUPONT**
Makes Seeds Healthy

One ounce will sow 10 square rods, one pound for one acre.



Sweet Yellow Globe

Extra Early Purple-Top Milan. Flat Turnip; earliest in cultivation. Medium size, flat and smooth; skin white, changing to bright purple above ground; flesh white and firm; flavor mild and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts.

Early White Flat Strap-Leaf. Popular, early market variety; good size and quick growth; flesh white, sweet and tender; good for early Spring planting. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Early Purple-Top Strap-Leaf. Very popular; more generally cultivated than the other flat varieties, as it is a quick grower and attains a much larger size; valuable for Spring and late planting; flesh and skin white, skin changing to purple above ground; very compact and fine. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Purple-Top Globe. Large; globe-shaped; good quality; productive and handsome; flesh white and tender, skin white and purple. Good for table or feeding stock. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Long White, or Cow-Horn. Carrot-shaped, standing half out of ground; flesh and skin are pure white, shading to green above ground; very productive; grown largely for feeding. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

White Egg. Quick grower, egg-shaped, very smooth, pure white; thin skin, flesh solid, mild, juicy and sweet. Grows large, keeps late, one of the best. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

White Globe (Pomeranian). Very desirable; large, round, smooth, white, good for table use and feeding stock; very early, good quality, productive. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Sweet Yellow Globe. One of the very best for table and feeding; globe-shaped, large, smooth and handsome; pale yellow, flesh hard and firm, mild and sweet. Keeps well. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

Golden Ball. Globular, good size, flesh deeper color than Yellow Globe; firm, good keeper, excellent. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 70 cts.

SWEDE TURNIPS

Also known as Rutabaga, Russian, French, and Rock Turnips. Sow from the middle of June until the middle of July in drills 2 feet apart and thin liberally. Cultivate thoroughly.

One ounce will sow 150 feet of drill, one pound for one acre.

Budlong's Improved White French. An improved American variety. Early and grows nearly globular; large, solid and fine-grained; mild and sweet; keeps well until late Spring. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Sweet White Rock. One of the very best of Swedish sorts; commands a good price. Good size and shape, smooth and clear white, hard and brittle, but cooking tender and sweet. As a Winter or Spring Turnip, it has no superior and few equals. Keeps very late. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Improved American Purple-Top Swede. A strain of yellow Rutabaga of American origin, with smaller top and with shorter neck than English varieties. Oblong, with short tap-root. While growing large on strong, newly cultivated land, they remain solid and fine-grained. Flesh deep yellow; skin yellow, purple above ground. Quality and flavor sweet and mild, and like the other Swedes, keeping until late Spring. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Sweet Herbs

Every garden should contain all the most popular herbs.

Catnip. Pkt. 10 cts., oz. \$1.00.

Broad-Leaf Sage. Pkt. 10 cts., oz. 45 cts.

Dill. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 85 cts.

Lavender. Pkt. 10 cts., oz. 50 cts.

Rosemary. Pkt. 10 cts., oz. 50 cts.

Sweet Basil. Pkt. 10 cts., oz. 25 cts.

Sweet Fennel. Pkt. 10 cts., oz. 25 cts.

Sweet Marjoram. Pkt. 10 cts., oz. 50 cts.

Summer Savory. Pkt. 10 cts., oz. 35 cts.

Thyme. Pkt. 10 cts., oz. 60 cts.

Wormwood. Pkt. 10 cts., oz. 50 cts.

PLEASE REMEMBER THAT OUR STORE IS LOCATED AT THE SAME PLACE IN THE SHOPPING DISTRICT, WHERE WE HAVE DONE BUSINESS FOR MANY YEARS.



General List of Grass Seeds

We make a specialty of Grass and adapted Clover Seeds and carry only stocks of varieties best suited for Connecticut.

Prices subject to market changes without notice.

Prices on seed in the following list fluctuate with the market, and will be quoted on request.

Timothy, or Herd's Grass (*Phleum pratense*). ½ bus. to the acre (45 lbs. to a bus.).

Red-Top Grass (*Agrostis vulgaris*). Absolutely clean and free from chaff. 15 lbs. to the acre (36 lbs. to a bus.).

Fancy Clean Blue Grass, Kentucky (*Poa pratensis*). Also called June Grass. Fancy recleaned seed. 30 lbs. to the acre (25 lbs. to a bus.).

Creeping Bent (*Agrostis stolonifera*). 50 lbs. to the acre.

Hard Fescue (*Festuca duriuscula*). 30 lbs. to the acre.

Meadow Fescue (*Festuca pratensis*). 40 lbs. to the acre.

Meadow Foxtail (*Alopecurus pratensis*). 25 lbs. to the acre.

Orchard Grass (*Dactylis glomerata*). 3 bus. to the acre (14 lbs. to a bus.).

Chewing's New Zealand Fescue. Highly recommended (27 lbs. to a bus.). Recleaned and of latest crop.

Rhode Island Bent (*Agrostis canina*). 36 lbs. to the acre (36 lbs. to a bus.). Certified.

Rough Stalked Meadow Grass (*Poa trivialis*). 20 lbs. to the acre.

Rye Grass, English (*Lolium perenne*). 2 bus. to the acre (24 lbs. to a bus.).

Rye Grass, Pacey's (*Lolium perenne tenue*). 60 lbs. to the acre (28 lbs. to a bus.).

Rye Grass, Italian (*Lolium italicum*). 2 bus. to the acre (18 lbs. to a bus.).

Sheep's Fescue (*Festuca ovina*). 50 lbs. to the acre.

Sweet Vernal Grass (*Anthoxanthum odoratum*). 25 lbs. to the acre.

Tall Fescue (*Festuca elatior*). 40 lbs. to the acre.

Tall Meadow Oat Grass (*Avena elatior*). 6 bus. to the acre (12 lbs. to a bus.).

Wood Meadow Grass (*Poa nemoralis*). 28 lbs. to the acre.

CLOVERS

Medium Red Northern Grown Domestic. Withstands the severe open Winters in New England. Because of its root system and method of stooling, it requires one-third less seed than you would use of a mixture containing ordinary red clover.

Don't Fail to Inoculate with Nodogen
See page 45.

White or White Dutch (*Trifolium repens*). If sown alone, 8 to 10 lbs. to the acre.

Alsike, Swedish Northern Grown Domestic (*Trifolium hybridum*). If sown alone, 8 to 10 lbs. to the acre.

Alfalfa, Northern Grown Domestic. Genuine Grimm certified. If sown alone, 20 lbs. to the acre. Is acclimated to the rigid Winters of the north and is naturally hardy. The unusual root system enables the plant to withstand severe Winter weather. In sealed bags. Inoculate without fail. See page 45.

Kentish Wild White Clover. It's dense creeping habit gives this Clover an importance in pastures over a wide range of soils. 4 to 6 lbs. per acre.

Ladino. Large growing type of White Dutch Clover for pastures. 4 to 6 lbs. per acre.

Sweet Clover. White blossom will grow on a variety of soils. Cheap soil renovation. 8 to 12 lbs. to acre.

Crimson (*Trifolium incarnatum*). An annual with crimson flowers. 12 to 15 lbs. to the acre.

Prices on seed in the lists above fluctuate with the market, and will be quoted on request.

When "Seeding Down" use a Thompson Grass Seed Sower. See Page 59.



Alfalfa

Nod-O-Gen For All Legume Seeds

Selected Farm Seeds

Prices on seed in the following list fluctuate with the market, and will be quoted on request.

SPECIAL MIXTURES FOR PERMANENT HAY

- No. 1, for cool, moist soils, sow 35 lbs. to acre.
No. 2, for high, dry soils, sow 40 lbs. to acre.
No. 3, for wet soils, sow 35 lbs. to acre.

SPECIAL MIXTURES FOR PERMANENT PASTURES

- No. 4, for cool, moist soils, sow 35 lbs. to acre.
No. 5, for high, dry soils, sow 40 lbs. to acre.
No. 6, for wet soils, sow 35 lbs. to acre.

Barley

Montana, Two-Rowed. Head longer than the six-rowed varieties and the grain is larger, plump, extra heavy, in favorable seasons nearly white. Extensively grown for green foliage.
Common. Six-rowed; grown for foliage.

Soja Beans

One of the most valuable and important forage and soil-improving crops. When cut together with Corn for the silo, they greatly improve the quality of the feed.

Rye

Spring. Valuable for "catch crop" to sow where Winter grain has failed. 1½ bus. per acre.
Winter Rosen. Sow from the middle of August to last of September. Sow broadcast, or drill at rate of 1½ bus. per acre.

Dwarf Essex Rape

Rape has a high feeding value for fattening sheep and swine, also a good milk producing food for cows. Sow broadcast, 5 to 6 lbs. to the acre.

Millets

Sow three-fourths to one bushel to the acre.
Hungarian Grass. 48 lbs. to the bus. Market price.
Golden. 50 lbs. to the bus. Market price.
Japanese, or Barnyard. 32 lbs. to the bus. Market price.

Sudan Grass

An annual of quick growth, the first crop being ready to cut in 50 to 70 days after planting, depending upon the length of the seasons and moisture; the second and third crops about 45 to 50 days later.

Japanese Buckwheat

1 bus. to the acre (48 lbs. per bus.).

Canada Field Peas

2 bus. to the acre; with oats 1½ bus.

Vetches

Winter, Sand, or Hairy. No other legume surpasses it as a nitrogen-gatherer or as a cover crop. 30 to 60 lbs. to the acre.
Spring. An annual legume valuable as a Summer forage when sown early in Spring at the rate of 30 lbs. Vetch and 2 bus. grain Barley or Oats per acre.

Wheat

Marquis Spring. Adapted for New England, maturing about ten days earlier than others.
White Winter (Klondyke White). Bald. A hardy variety; very prolific in this section. 2 bus. to the acre.

SEED INOCULATION



Nod-O-Gen insures better plant growth above and below ground.

WHAT NODOGEN JELLY IS

Nodogen jelly is a pure culture of nitrogen fixing bacteria, selected for maximum vitality and ability to transform nitrogen from the air into soluble nitrates and deposit them in the soil.
Every bottle is dated and guaranteed for one year.

Prices Are Low

Special Garden Size for Beans, Peas and Sweet Peas, 20c.

ALFALFA and CLOVERS

Small Seed Varieties

1 bu. unit.....\$0.45
½ bu. unit..... .30

SOYBEANS and COWPEAS

5 bu. unit.....\$0.75
2 bu. unit..... .45
1 bu. unit..... .30

PEAS and BEANS, ETC.

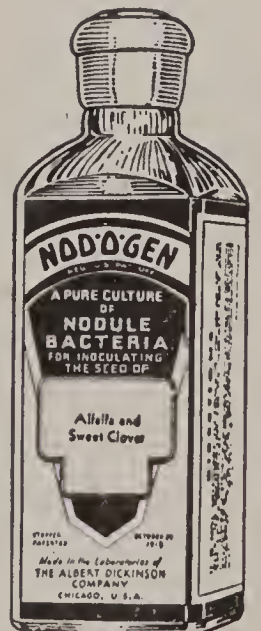
Large Seed Varieties

5 bu. unit.....\$0.75
2 bu. unit..... .45
1 bu. unit..... .30

When ordering, be sure to state what crops you wish to inoculate, also number of bushels you will sow.

The best inoculation for all legume seeds means better crops, better soils, less fertilizer expense.

Alfalfa, Clovers, Soybeans, Cowpeas, Vetch Peanuts, all thrive into bumper crops when properly inoculated with Nodogen pure bred cultures.



(Jelly Medium)



ROOTONE

PATENTS PENDING

The PLANT HORMONE POWDER

MAKES MORE ROOTS on Cuttings---Seeds---Bulbs

CUTTINGS---

ROOTONE treated

Just dip the base of the cutting in the dry powder and set in the propagating bed. No solutions are needed. Note the heavy roots on the Gardenia cutting—formed in 3½ weeks after treatment.

SEEDS AND BULBS---

Use a pinch of ROOTONE to a packet of Seed. Shake until seeds are lightly coated, then plant. Roots form much faster, germination is quicker and more even. Stronger plants result, and earlier flowering. Vegetables bear earlier. Dip bulbs in the powder before planting to get better quality blooms.

2 oz. Jar \$1.00—1 lb. Can \$5.00

Insecticides and Fungicides

Liquids and Poisonous Powders may be forwarded by Parcel Post. See U. S. Parcel Post Regulations. For a distance of 150 miles from our store add 8 cents per pound and 1.1 cents for each additional pound. See Page 64 for Parcel Post Rates.

All Prices subject to change without notice.



The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants.

Ready filled Sets, filled with Syrup, 40c. Individual Ready-filled Feeders, 10c. each.



Regular Antrol Cottage Set, with 4 containers and one 4-oz. bottle Syrup, 75c.

Syrup, 4-oz. bottle, 35c.; 1-pt. bottle, 85c.; 1-gal. can, \$3.50.

Extra glass containers, 10c. each.

ANTROL ANT TRAPS. Kills both sweet and grease eating ants, contains two kinds of specially prepared material. Each, 15c. Can be used inside or outside the house.



ANTROL ANT AND ROACH POWDER. For household use. Produces an immediate effect, and in situations where Antrol cannot be used to advantage. New Sizes: 1¾-oz. cans, 15c.; 4½-oz. cans, 35c.



For quick, sure permanent relief from Ants, Roaches, Silver-Fish, Rats and Mice. Easy to use. Small tube 35c., large tube 85c. Jumbo tube \$1.75.

MAGI-KIL ANT TRAPS

For complete control the Queen and the entire Colony must be exterminated. Magi-Kil Ant Traps control all species. Each 25c., doz., \$2.50.

ARSENATE OF LEAD (Powdered). Directions with each package. Two level tablespoonfuls to 1 gal. water. 1 lb. makes 24 gals. spray. Lb. 35c., 4 lbs. 90c., 24 lbs. \$4.75.

ASTOGEN. A scientific soil treatment for Asters and other Annuals. Promotes Root growth, Prevents souring, Repels insects. 2 lbs. 75c., 5 lbs. \$1.50, 10 lbs. \$2.75.

ARSENATE MAGNESIUM. Used for the control of the Mexican bean beetle. Spray 200 gallons per acre. One level tablespoon to gallon. 2 lbs. makes 100 gals. 12 oz. 45c., 2 lbs. 65c.

ATLACIDE

CALCIUM CHLORATE

Non-Poisonous **KILLS** Dust or Spray
POISON IVY
and all other weeds

5 lb. tin (kills 300 to 1500 sq. ft. of weeds), \$1.50 each.

15 lb. drum.....	\$3.50
50-lb. drum.....	14c lb.
100-lb. drum.....	13½c lb.
200-lb. drum.....	13c lb.

"BLACK LEAF 40" (Sulphate of Nicotine). Destroys aphids, thrips, and all soft-bodied sucking insects without injury to foliage, perfectly soluble in water. Directions with each package. One to two teaspoonfuls makes 1 gal. spray. 1 oz. bottle 35c., 5 oz. bottle \$1.00, 1-lb. can \$2.25, 2-lb. can \$3.25, 5-lb. can \$5.85, 10-lb. can, \$10.60, 50 lbs. \$42.50.



B-K (Bacili-Kil). Powerful disinfectant, sterilizer, deodorant, antiseptic, for milk plants, dairies, live stock and poultry farms. Gal. \$2.00, 5 gals. \$8.50.

BLUE STONE (Sulphate of Copper). Market price.

BORERKIL (Nicotine Paste). Borerkil in paste form that kills boring insects when injected into their burrows. Handy tubes with injector. 60 cts.

BORDEAUX MIXTURE (Dry). Ready for use by simply adding water. For general use, mix 3 heaping tablespoonfuls to 1 gal. water. 1 lb. makes 5 gals. Lb. box 30c., 4 lbs. 80c., 48 lbs. \$7.00.

Insecticides and Fungicides—Continued

BORDO LEAD (Keycide Powder). Kills bugs and prevents blight, rot, mildew and fungus in one operation. Can be used for wet spraying or dry dusting. One pound makes 7 gals. ready to apply, three heaping tablespoonfuls to 1 gal. water. Lb. **35c.**, 4 lbs. **\$1.00**, 48 lbs. **\$9.00**.

BUG DEATH. A non-poisonous powder, but sure death to Potato, Squash and Cucumber bugs, Currant and Tomato worms, also all other plant eating pests. About 12½ lbs. per acre. Lb. pkg. **25c.**, 5-lb. pkg. **85c.**, 12½-lb. pkg. **\$1.90**, 100-lb. **\$10.50**.

CALO-CLOR. Mixture of Calomel and corrosive Sublimate for the prevention and control of large and small brown patch. 1-lb. bottle **\$2.25**, 5 lbs. **\$9.75**. Subject to Market changes.



CYANOGLAS. The new, efficient, inexpensive chemical insecticide.

Cyanogas "G" Fumigant. Is the standard greenhouse and mushroom house fumigant.

Cyanogas "A" Dust. Is universally used to kill ants, rats, moles, woodchucks and other burrowing rodents. Leaflets with detailed directions furnished upon request. "G" Fumigant, 5 lbs. **\$3.00**. "A" Dust, ½ lb. **45c.**, 1 lb. **75c.**, 5 lbs. **\$3.00**.

ANT KILLER—CYANOGLAS. "Simply enlarge entrance of nest with pointed stick or long shank screw driver. Adjust spout—allow small amount of Cyanogas to flow into the hole. The Queen and worker ants are killed in a few minutes." Can **30c.**



CALOMEL. Used in the control of maggots on cabbage, cauliflower or other related plants. Mix 1 lb. to 25 lbs. hydrated lime. Market price.

CARBOLINEUM (Arrow Brand). Preserves wood everywhere and is highly recommended against mites and other insects in poultry houses. Gal. **\$1.50**. Prices on application for large quantities.

CARBOLA. Use it instead of whitewash. A snow white, cold water paint that will not blister, flake, or peel off. Particularly good for use in stables, cow barns. 5 lbs. makes 2½ gallons, **60c.**, 10 lbs. **\$1.00**, 25 lbs. **\$1.90**, 50 lbs. **\$3.50**.

CED-O-FLORA PLANT SPRAY. Will control and kill Mealy Bug, Red Spider and Scale. 3 oz. **35c.**, 8 oz. **70c.**, pt. **\$1.25**, qt. **\$2.00**.

CORN-BORER-DUSTS. Gives satisfactory control for Dahlias, Corn, Celery, etc. Market prices.

COPPER SOLUTION. Controls fungus diseases, mildew, Blackspot, rusts, blights, etc. 1 qt. **\$1.50**, 1 gal. **\$4.60**.

CORROSIVE SUBLIMATE. Often used in the control of Brown patch earth worms and various root maggots on plants. 1-lb. bottles **\$1.60**. Subject to Market changes.

CUPROCID (Red Copper Oxide). Most varieties of seeds are safe from "damping off" when coated with Cuprocid. 4 oz. **35c.**, 1 lb. **90c.**, 5 lbs. **\$4.00**, 20 lbs. **\$12.00**.

CUPROCID 54. For controlling certain diseases of vegetables and ornamentals. 3 lbs. **\$1.15**.



Stanley's CROW REPELLENT

STANLEY'S CROW REPELLANT. Positively will not clog any planter. Small can, enough for one bushel seed Corn, **60c.**; large can, for two bushels, **\$1.00**. Qt. can, **\$1.75**.

DOGSZIX. A liquid when sprayed on shrubbery and plants keeps the dogs away. Medium **50c.**, Large **\$1.00**.



DOG SKAT. Tube releases vapor offensive to animals, but not noticeable to humans. One large tube lasts a year. Large tube **30c.**

DRY LIME SULPHUR. Not a substitute for lime sulphur solution, but reduced to the dry form by a special process. To use, add water. Economical and convenient. Mix 3 heaping tablespoonfuls to 1 gal. water. 1 lb. makes 5 gals. Lb. **35c.**, 5 lbs. **\$1.35**, 25 lbs. **\$3.50**.



D. X. A new Pyrethrum

Contact Spray. Non-poisonous and safe on tender foliage. Mixes easily with Arsenate of Lead, Sulfocide and Lime Sulphur. Average dilution 3 teaspoonfuls per gallon. 1½ oz. bottle **35c.**, ½ pt. **\$1.15**, 1 pt. **\$2.00**, 1 qt. **\$3.25**, 1 gal. **\$8.75**, 5 gals. **\$37.50**.



KILL Plant Insects!

New Ever Green is an effective spray for most of the common types of chewing and sucking insects that destroy flowers. Pkg. makes 6 gals. of spray for aphids.



NEW EVER GREEN SPRAY **Pkg. 35c**

Prices—1 oz. **35c.**; 6 oz. **\$1.00**; 16 oz. **\$2.15**; 1 gal. **\$12.25**.
FORMACIDE. Stabilized Formaldehyde Dust. Triple strength seed and soil DISINFECTANT used as a control of Damping-Off. ½ lb. **45c.**, 1 lb. **75c.**, 5 lbs. **\$2.00**, 25 lbs. **\$5.50**, 50 lbs. **\$9.00**, 100 lbs. **\$17.00**.



SEMESAN SEMESAN JR. SEMESAN BEL

The Premier Seed Disinfectants

Prices for Du Pont Semesan

2 ozs.....	\$ 0.35
1 lb.....	2.25
5 lbs.....	9.90
25 lbs.....	45.50

Semesan Jr.

4 ozs.....	\$0.30
1 lb.....	.75
5 lbs.....	3.25

Semesan Bel

4 ozs.....	\$0.45
1 lb.....	1.50
5 lbs.....	6.75

Ask for Free Booklets Telling All the Facts



NU-GREEN

For the successful prevention and control of Brown Patch.

Beginning prior to the brown patch season, apply a solution of 1 lb. Nu-Green to 50 gals. of water. Use at the rate of 50 gals. of Nu-Green solution to 1000 square feet of turf, including the approaches and borders.



1 lb. tin.....	1.45	5 lb. tin.....	\$ 6.30
		25 lb. pail.....	29.00

SPECIAL SEMESAN

A Grass Disinfectant for Brown Patch

5-lb. can.....	\$ 7.00
25-lb. pail.....	33.00
100-lb. drum.....	122.85



Conquers mildew and black spot on Roses and diseases of other plants. Assures luxuriant foliage and bloom. Mix 4 tablespoonfuls to 1 gal. water; 1 tablespoonful to 1 qt. water. $\frac{1}{2}$ pt. 75c., pt. \$1.25, qt. \$2.00, $\frac{1}{2}$ gal. \$3.50, gal. \$6.00.

GRAPE DUST, HAMMOND'S. This dust is a combined fungicide and insecticide, easily used and never unsightly. It is safe, yet effective. 5-lb. pkg. \$1.25.

JAPTOX. For protection of foliage from injury by Japanese Beetles. Is both a repellent and stomach poison. 6 level tablespoons to 1 gallon of water. $\frac{1}{2}$ lb. to 5 gallons of water. Lb. 50c., 2 lbs. 90c.

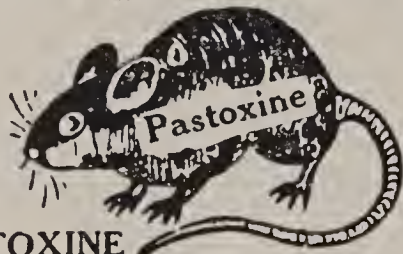
LEMON OIL INSECTICIDE. It effectually destroys mealy bug, scale, thrip and red spider. Mix 4 tablespoonfuls to 1 qt. water. $\frac{1}{2}$ pt. makes 1 gal. spray for most plants. Pt. 55c., qt. 85c., gal. \$2.75.

LETHANE SPREADER. A new agent for increasing the spreading power of insecticides, especially Cuprocide. Qt. 75c., gal. \$1.80, 5 gals. \$8.50.

MOLOGEN—Mole Killer. Eliminates moles within two or three days. Non-poisonous to humans and pets. $\frac{1}{2}$ -lb. can 50c., 1 $\frac{1}{2}$ -lb. can \$1.25, 5-lb. can \$4.00.

MOLE-NOTS. Protects lawns, gardens, flower beds, golf courses, etc., from the ravages of Moles. Trial size 25c. Estate size \$1.00.

PASTEUR LABORATORIES



PASTOXINE

Non-Poisonous Concentrated

MOUSE AND RAT EXTERMINATORS

K. R. O. Ready Mixed Bait.....	\$1.00
K. R. O. Powder Red Squill.....	.75
Mouse Seed.....	.25
Rat-Nots.....	.25

NAPHTHALINE FLAKES. The flakes are scattered amongst Gladioli Corms to control thrips. 1 lb. pkg. 20c.

"NICO-FUME"
PRODUCTS
Liquid-Paper-Powder
FOR GREENHOUSES

Power Pressure Fumigator (New). $\frac{1}{2}$ lb. cans, 45c. each; \$4.20 doz., 1 lb. cans, 75c. each; 6 for \$3.75; 12 for \$7.00.

NICO-FUME LIQUID. A highly refined solution of free nicotine, which is used both as a spray and for vaporizing. Complete directions on every tin. Use 1 to 2 teaspoonfuls to each gal. of water for general use. Lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10.00.

PARA-DICHLORA BENZINE. For Peach tree borers. Generates a gas which kills borers when placed around base of trees. Lb. 55c.

PARIS GREEN. A poison universally known and extensively used. Very liable to burn the leaves and foliage and should be used with great care. Poison bait for cutworms. 1 lb. Paris Green, 50 lbs. bran middlings, 2 qts. cheap molasses, 20 qts. water, mix thoroughly. Mix for ordinary spraying, level teaspoonful to 1 gal. water. Market price.

POMO-GREEN (With Nicotine). The Leaf-Green all in one dust or spray. $\frac{1}{4}$ lb. makes one gallon liquid spray.



Pomo-Green

The Leaf-Green Kolodust used for the control of many diseases and external chewing insects on flowering plants and shrubs. Lb. can 50c., 5-lb. carton \$2.00, 25-lb. case \$8.00.

**KILLS
RATS
AND
MICE**

**Price
60c.**

NICO-FUME TOBACCO POWDER

Contains a high percentage of nicotine for fumigating greenhouses.

PYROTE

35c., 6 oz. \$1.00, pt. \$2.00, qt. \$3.50.



Insect Spray for flowers, plants, fruits and vegetables. Harmless to Humans and Animals. 1 oz. 35c., 6 oz. \$1.00, pt. \$2.00, qt. \$3.50.

Non-poisonous to child or pet. Will not burn or stain the most delicate leaf or flower. Endorsed by entomologists of agricultural experiment stations. 1 oz. bottles making 4 to 8 gals. 35c.; 4 oz. \$1.00; 1 pt. tins making 70 to 90 gals. \$2.85; 1 qt. tins making 140 to 180 gals. \$5.40; gal. \$10.70.

RED COPPER OXIDE. (See Cuprocide, page 47.)

ROTENONE-STABILIZED DUST—Market Price. See Cubor, Derrisol, Pyrote, Red Arrow, Slug-Shot, Sulrote.

SCALECIDE (Dormant Spray). Sure death to the San Jose scale. A soluble petroleum spray for use in orchards. It is economical, effective and acts as a fungicide. Mix 4 tablespoonfuls to 1 qt. water. 1 gal. makes 16 gals. Qt. 65c., gal. \$1.55, 5 gals. \$5.50, 10 gals. \$9.50, 15 gals. \$13.25, 30 gals. \$21.00, 50 gals. \$29.00.



SLUG SHOT DUST. The safe, non-poisonous, dusting Insecticide. Kills chewing insects and controls fungus. Harmless to humans, plants and vegetables. Kills Mexican bean beetle, cabbage worms, beetles, potato bugs, green flies, slugs, etc. 5 lbs. \$1.00.



Snārol

The National Pest Control

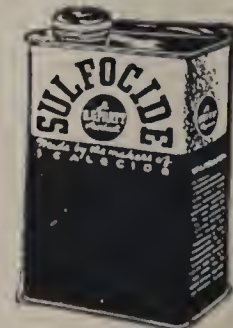
An unusual combination of materials carefully selected to insure effectiveness wherever cutworms, earwigs, grasshoppers, snails, slugs or sowbugs give trouble. Depend upon it in any weather—rainy, wet or dry. Apply it without fear of injury whatever to any flower, plant, or shrub. 1 $\frac{1}{2}$ lbs. 35c., 4 lbs. 85c., 15 lbs. \$3.00.

SOAP, RED A. Is the most advanced spray soap on the market. It is the result of intensive state and government research. Red A is in liquid form and immediately emulsifies when mixed with water. No waiting—no boiling—no weighing—no clogging of spray nozzles with Red A. 3 oz. 30c., pt. 50c., qt. 90c., gal. \$2.00.



SPRAY CATALIZER. A spreader and sticker, for mixing with Arsenate of Lead, Lime-Sulphur and Sulfocide. Use 2 lbs. to 100 gallons or a rounded teaspoonful to the gallon. 2 lb. package 45c., 48 lbs. \$9.60.

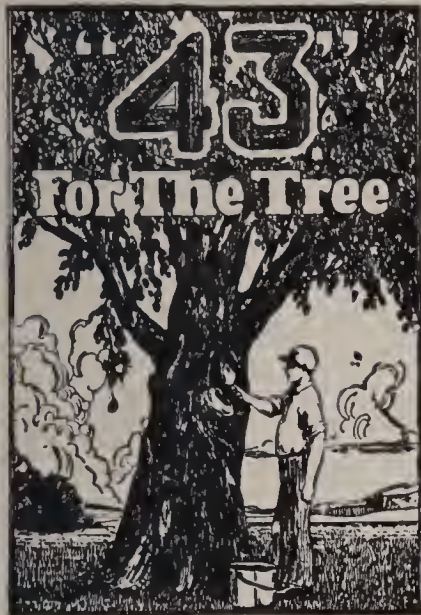
SULFOCIDE. An efficient Summer spray for the control of scab and black rot on fruit trees. Excellent for mildew on Roses and for similar fungus troubles. Use 1 tablespoonful to 3 qts. water, dilute 1 gal. to 200 gals. of water. Pt. 50c., qt. 85c., gal. \$2.25.



Insecticides and Fungicides—Continued

SULPHUR DUST. (Powdered). Used extensively against mildew and various blights. Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 100 lbs. \$5.00.

SULROTE (Rotenone-Sulphur). Non-Poisonous Dust for control of Mexican Bean Beetle, Cabbage Worms, Cucumber Beetles, Thrips, Flea Beetles, Leaf Hoppers, Red Spiders. 1 lb. 40c., 5-lb. bags, \$1.00.



USE 43

Protects wounds
Kills insects and germs.
Prevents rot and decay.
Waterproof.
Sticks to surface.
Remains plastic.
Will not crack, crumble or shrink.

	Each
1 pt. cans.....	\$0.40
1 qt. cans.....	.75
½ gal. cans.....	1.35
1 gal. cans.....	2.50

TREE TANGLE FOOT. No insect of the climbing or creeping type can cross Tree Tangle foot bands. One banding lasts three or four months. 6 oz. 35c., lb. 65c., 5 lb. \$3.00, 10 lb. \$5.65.



TOBACCO DUST. This product is very fine, and analyzes high in nicotine. Applied when the vegetation is wet with dew, it is an effective and cheap remedy for lice, bugs, worms and similar pests on Rose bushes, shrubs, Melons, Squash, Cucumber, Cabbage, etc., Lb. 10c., 5 lbs. 45c., 10 lbs. 75c., 50 lbs. \$3.00, 100 lbs. \$5.50.

TRI-GEN Combined Spray Treatment

Fungicide—Insecticide—Plant Stimulant
Complete Protection against Plant
Insects and Diseases

PRICES

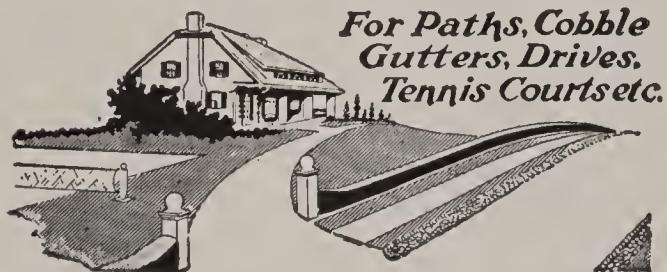
- A. **Small Kit** (makes 16 quarts).....\$1.50
Protects 12 to 20 roses for season.
- B. **Medium Kit** (makes 64 quarts)..... 4.00
Protects 50 to 80 roses for season.
- C. **Large Kit** (makes 32 gallons)..... 6.00
Protects 100 to 160 roses for season.
- D. **Estate Kit** (makes 128 gallons).....20.00
Protects 400 to 600 roses for season.

VERMO-SPRAY. Liquid exterminator of all species of insects, forms a gas which kills flies, roaches, moths, fleas and ants, hornets, etc. Guaranteed 100 per cent. effective if used according to instructions. Qt. 85c., gal. \$2.25. Prices on application for large quantities.



VOLCK. The most powerful non-poisonous insecticide known; however, the fact that it is also one of the safest is of equal importance for pest control in house and garden. Mix 2½ level teaspoonfuls to 1 qt. of water, 3 level tablespoonfuls for 1 gal. spray, ½ pt. makes 5 gals. ½ pt. 35c., qt. 80c., gal. \$2.50.

“HERBICIDE” THE WEED EXTERMINATOR



WEED EXTERMINATOR. A liquid preparation for killing weeds in tennis courts, roadways, paths, etc. Dilute 40 to 50 parts water; each gallon should cover 2 to 3 sq. yds. Qt. cans 50c., gal. \$1.50, 5 gals. \$6.00.

ADCO WEED KILLER POWDER. See Page 61.

WILSON'S O. K. PLANT SPRAY. For Roses, Chrysanthemums, evergreens and all plants affected with scale or insects under glass or outside. Mix 3 tablespoonfuls to 1 qt. water; 1 gal. makes 10 to 15 gals. ½ pt. 40c., qt. \$1.00, gal. \$3.00, 5 gals. \$12



WORM ERADICATOR. When applied, the worms will immediately rise to the surface of the ground, ridding courts, greens or lawns of worms. If possible the application should be made on a warm, damp day. Gal. \$3.50, 5 gals. \$15.00, 10 gals. \$27.50.



ARNOLD GARDEN HOSE SPRAYER
Priced at \$3.50 complete

FOR INSECT CONTROL, P-R CARTRIDGES
35c each—6 for \$2.00

NICOTINE CARTRIDGES
35c each—6 for \$2.00

FOR PLANT DISEASE CONTROL

Colloidal Sulphur. For Mildew, Rust, Scale, Black Spot and other plant diseases.
35c each—6 for \$2.00

Deming Spray Pumps

The "Century" Barrel Sprayer



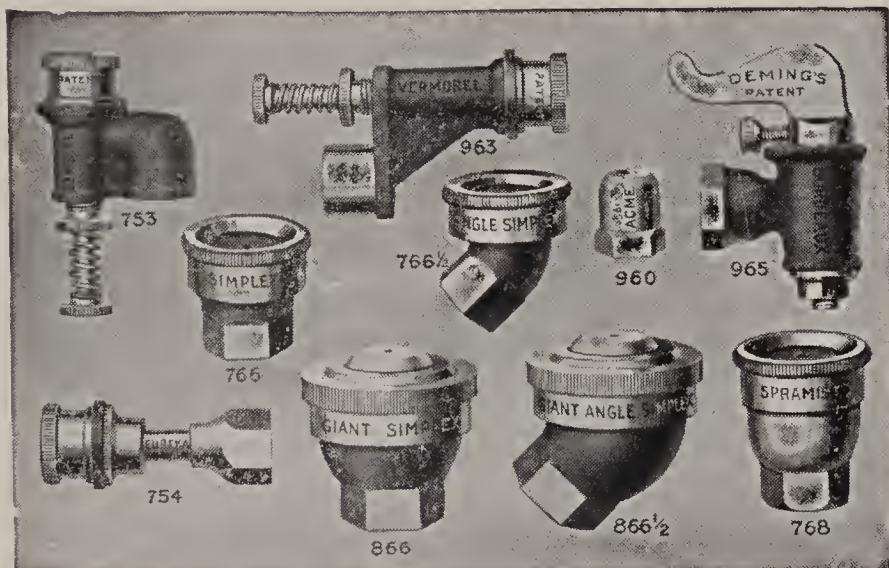
Deming Hand Cart Sprayers "Gardener's Choice" Price \$30.00



Universal Iron Base. Fits 10x10 in. hole in side or end of barrel. Filling hole in base admits liquid. 2½ in. iron cylinder, 4 in. stroke. Large air-chamber. Shipping weight, 75 lbs.

- Pump only**.....\$13.85
Outfit "A". Including one 12½ ft. section of ½ in. hose and Simplex nozzle.....\$17.25
Outfit "B". Including two 12½ ft. sections of ½ in. hose and two Simplex nozzles.....\$22.00

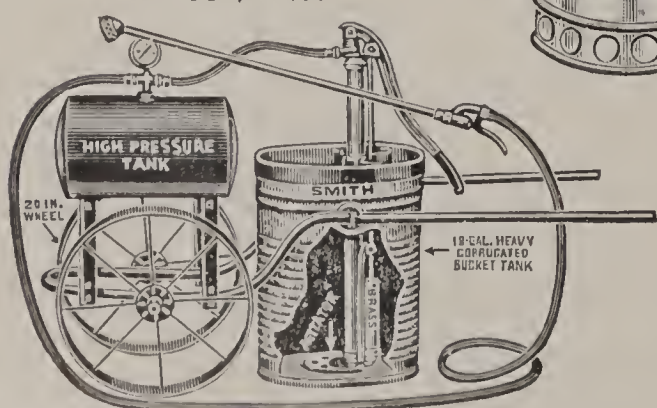
Spray-Nozzles All Styles



Smith Duster



Hand Duster with Glass Container.
Price \$1.40.



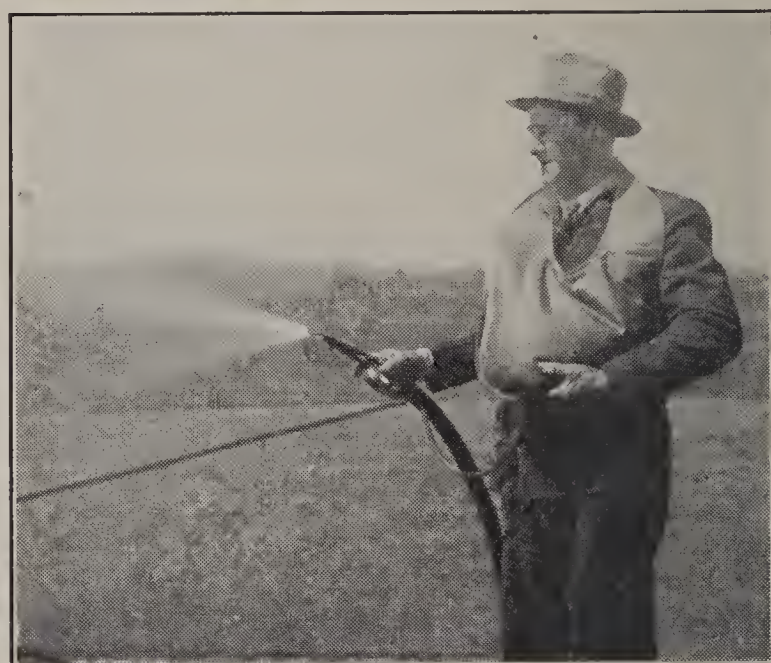
Powder Duster Price \$1.85

Wheelbarrow Sprayer with two steel wheels. Can furnish Balloon Tires if desired.



The "Perfect Success" Bucket Spray Pump Price, \$7.00

Perfection One-Man Proportioner



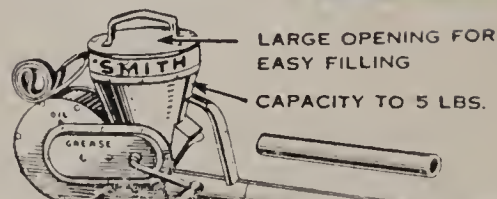
Proportioner Price \$29.50

The latest device for treating greens, fine lawns for brown patch, worms, grubs and insects of all kinds. Also for applying soluble Fertilizers and weed killers, etc.

Insect-O-Gun

By simply using the water pressure in a garden hose you can now effectively spray your flowers, shrubs, and trees with the same efficient results secured by power spraying methods.

\$3.75 Complete



Dust-King Price \$10.95

ONE OR TWO NOZZLES MAY BE USED

THE FINEST IN SPRAYERS AND SPRINKLERS

Smith Banner Open Top Compressed Air Sprayer

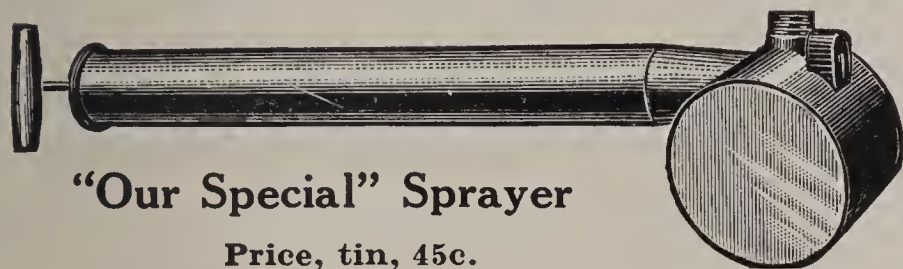


For applying all insecticides, fungicides, disinfectants, cattle-fly oil, white-wash and cold water paint.

THE BANNER SPRAYER is recognized as one of the best on the market. The tank is made of extra heavy gauge metal, weighing considerably more than any similar tank, which makes the tank more durable for long, hard service. A heavy, rigid, strong funnel is strongly built in top of tank. Tank has embossed graduated marks for measuring liquids, is corrugated and well riveted to stand hard usage and heavy pressure. We highly recommend the Copper Tank sprayer. Unconditionally guaranteed. (Capacity four gallons.)

Open Top with Solid Copper Tank. 13 lbs. **Price**.....\$9.75

Open Top with Galvanized Tank. 12½ lbs. **Price**.....\$6.50



"Our Special" Sprayer

Price, tin, 45c.

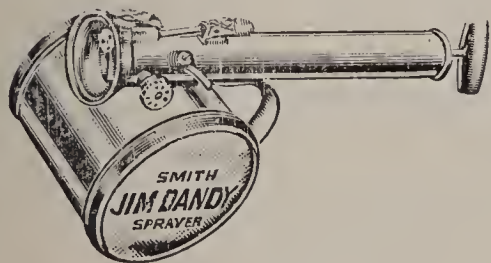
Cadwell and Jones Continuous Sprayers

TWO SPRAY CAPS.
Copper \$2.15, Glass \$1.25



One straight, the other at an angle for reaching under leaves or spraying directly down.

Will handle all solutions, insecticides and disinfectants used in greenhouse, kitchen garden, window garden, for Rose bushes and in the poultry house.

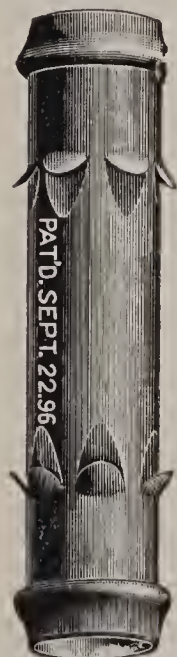


Jim Dandy

Three Quart Continuous Sprayer—
Heavy headed, Sheet Steel
Price \$3.85



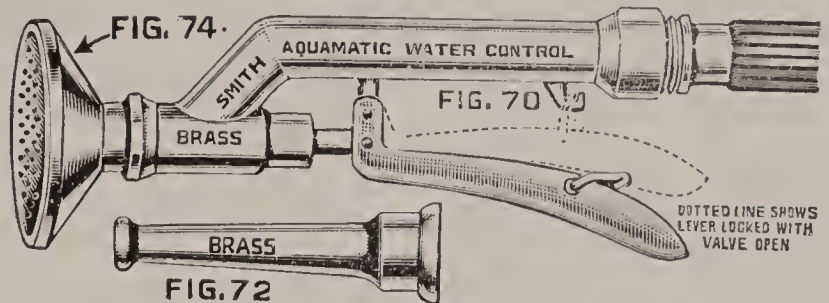
3 ft., 1200 sq. ft..... \$35.00
6 ft., 1800 sq. ft..... 40.00
10 ft., 2500 sq. ft..... 45.00



Cooper Hose Menders
Hose Couplings
Hose Washers
Hose Clamps

Aquamatic Nozzle

Cuts water bill in half.



Brass Hothouse Nozzles



Asbestos Torch

For burning caterpillars, worms and tree pests.
Price 65c.

Vermorel Eclair No. 1— Knapsack Sprayer



A marvel of French ingenuity—simplicity, efficiency, durability and lightness. The most perfect hand sprayer, and in a class by itself.

SHRUBBERY PROTECTOR

Makes the dogs visit to all shrubs and plants so uncomfortable that he keeps away. So constructed that it cannot harm the dog. **Price \$1.95 per dozen.**

Model G Rain King Lawn Sprinkler



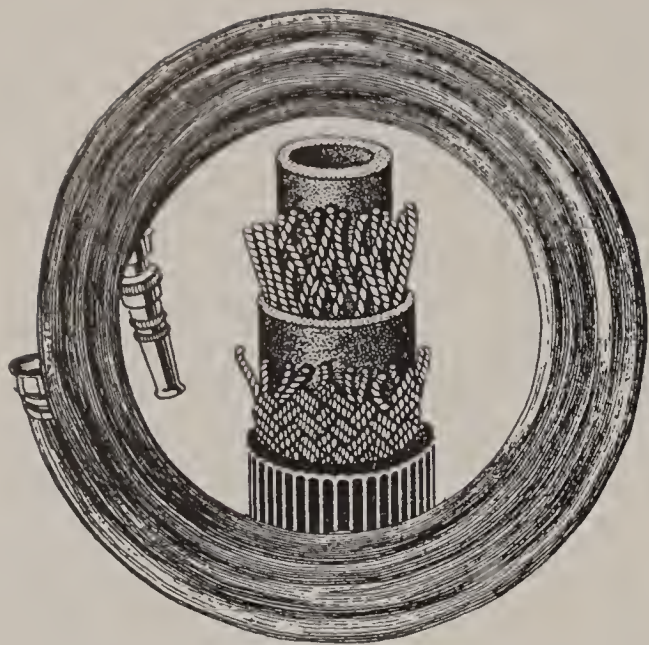
Price,
\$3.95

No. GS Perfection Sprinkler "Garden Special"

One of the several styles of Perfections which are known for their large even coverage on ordinary pressures. Simple and long lived they are sure to give the greatest of satisfaction.
Price \$10.00



HORTICULTURAL—SUNDRIES



**Cadwell & Jones Sterling—
Special Cord Hose**

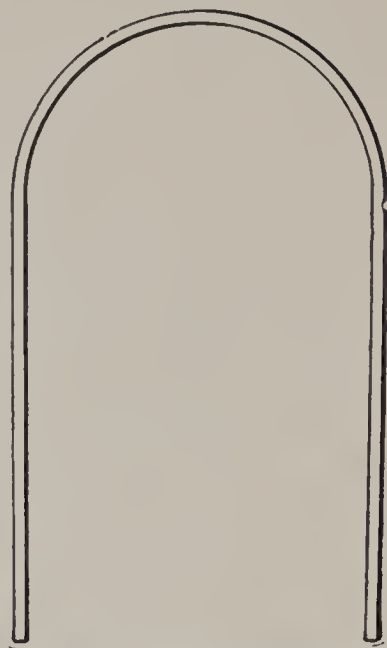
A moulded hose made of the best materials. We offer this hose in 25- and 50-ft. lengths, coupled. This hose is guaranteed to give satisfaction.

**Twig Lawn
Broom**

Price
75c



**Heavy Lawn and
Garden Wickets**



**Grass
Hook
35c. up**

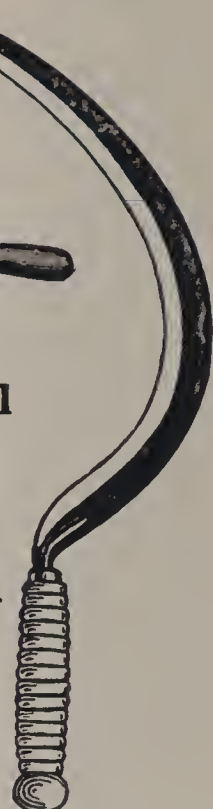
E-WEEDER



**Hole in One
Planting Tool**



Price
50 cts.

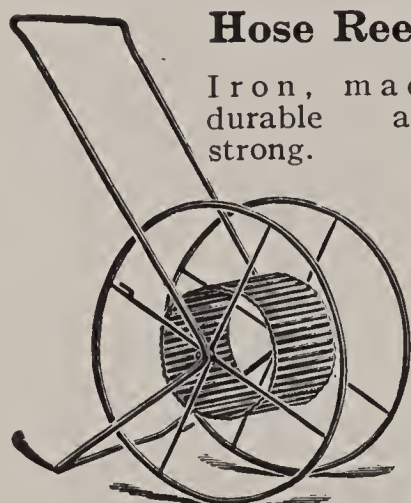


**Planet Jr.-Transplanting
Bulb Trowel**

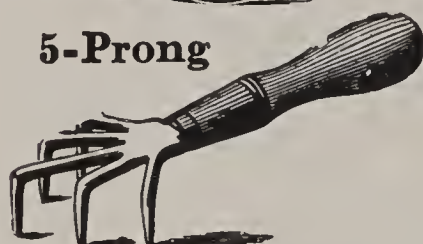
Price 60 cts.



Hose Reels
Iron, made
durable and
strong.



5-Prong



Hand Weeder—15c

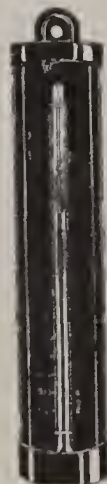


Scythe-Stones



**McGUIRE'S
ACE
WEEDER**

Price 85 cts. **Tested
Thermometers**



Dibbles

Steel points, wood-
en handle.

Garden Trowels



Extra forged steel. Solid steel blade and shank.



STYLE C

PRACTICAL PAILS \$3.50 EACH

Style A. Tall pail 10 in. high,
6 in. diameter, short pail 5 in. x 5 in.

Style B. Twin pails 6 in. high,
6 in. diameter.

Style C. Tall pail 12 in. high,
short pail 8 in. high, both 8 in.
diameter.

Style D. Twin pails 10 in. high,
6 in. diameter.

All-Steel Weeder

With short and long handles.
20c. and 30c.



Window Flower Box



Hoze Nozzles

Made of heavy brass. Can be ad-
justed to throw a coarse or a fine
stream, also shuts off absolutely tight.

Price 65 cts. Up

**Garden Lines
Braided**

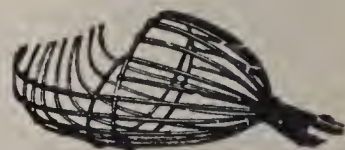
Will not kink.
100 feet.

Hotbed Mats

76x76 inch, covers
two sash. Made of
heavy cotton or duck
filled and quilted.

Glass-Cloth
Cello-Glass

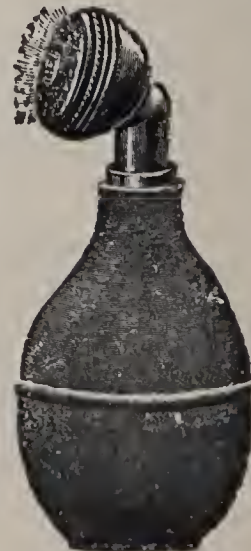
Fruit Picker



**Dandelion and
Weed Cane.**
Price \$1.00.

**Rubber
Plant Spray**

For sprinkling
plants, flowers,
clothes, etc.
Easy to fill. One
turn of cap re-
moves same.
Angle neck,
\$1.00; straight
neck, \$1.00;
Small 50c.



Baskets

For holding
leaves and oth-
er garden work,
etc. 75c. up.



BALL-BEARING WATER-BALLAST LAWN ROLLERS

By filling its hollow drum with water (use hose or bucket and funnel), you can adjust the roller **any weight** desired.

	Track	Net Prices Diameter	Weight empty	Weight filled with water	Ball Bearing	Plain Bearing
1 Section.....	24 inches.....	18 inches.....	75 lbs.....	330 lbs.....	\$12.00	\$10.50
1 Section.....	24 inches.....	24 inches.....	100 lbs.....	440 lbs.....	15.50	13.50

Ball Bearing Cast Rollers

2 Sections.....	24 inches.....	20 inches.....	300 lbs.
3 Sections.....	30 inches.....	20 inches.....	350 lbs.

The Perfect Garden Label

Mark with ordinary lead pencil

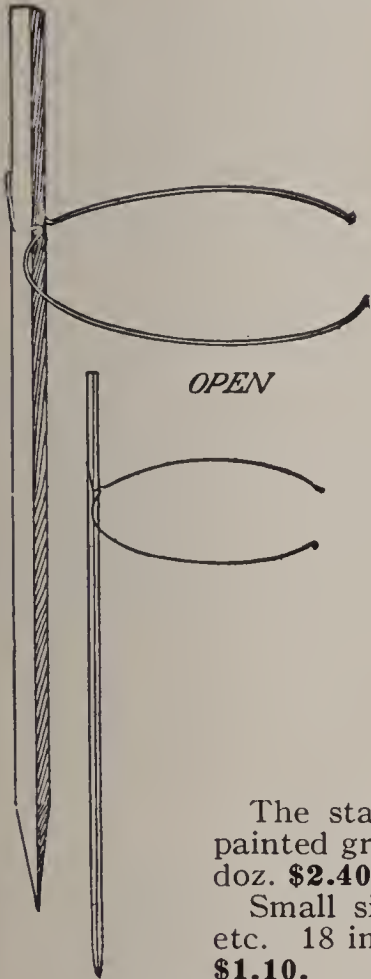
Permanently legible without protection in all weathers, all soils, all seasons. Ample horizontal marking space. Attractive shape. Beautiful gray green color blending with the garden. Reliable for fall planting. Will not float away in spring thaw.

	Border Size	Show Garden Size	Rock Garden Size
12 Labels.....	\$1.00	\$1.25	\$0.90
25 Labels.....	2.00	2.50	1.75
100 Labels.....	7.75	9.50	6.75
1000 Labels.....	75.00	90.00	65.00

500 Labels at the 1000 price.

TIE-ON LABEL—POT LABEL

100 Labels.....	\$3.00	100 Labels.....	\$2.50
-----------------	--------	-----------------	--------



Soft, Pliable, Durable, Specially adapted for general home use: Housework, Garden, Car, Garage, Furnace, Soft as Kid. Tough as Iron. Ladies', Men's.

Price 75c pair

Kreme Skin. Pair.....\$1.00

“Adjusto” Plant Support

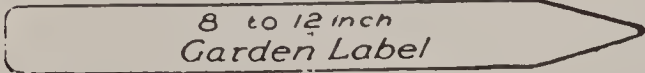
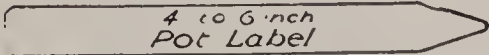
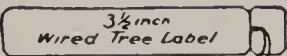
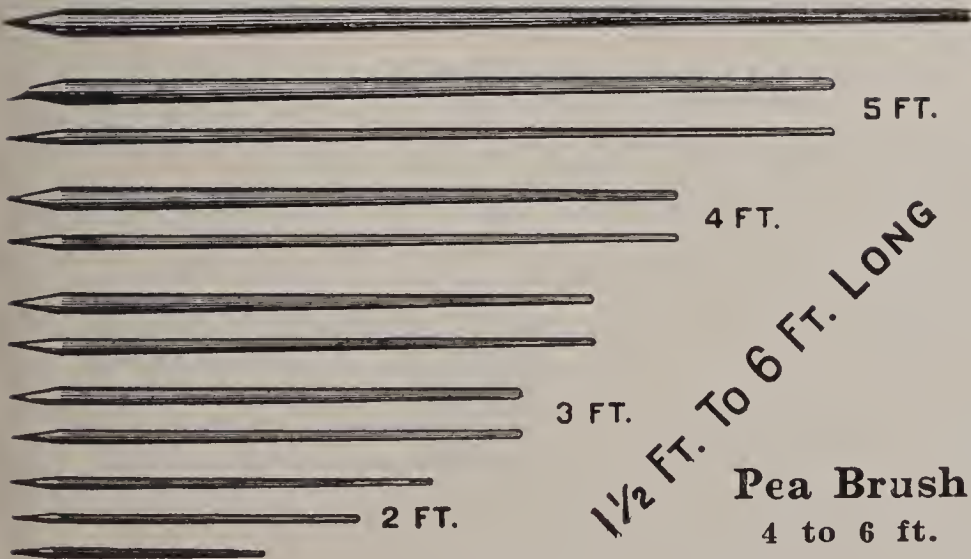
It is adjusted in a “jiffy” to any height to conform to the plants’ growth. It is indispensable for Tomatoes, Roses, Hydrangeas and Dahlias.

The stake is made of hard wood and heavy spring wire painted green. 3 feet, each 20c, doz. \$2.10. 4 feet, each 25c, doz. \$2.40. 5 feet, each 30c, doz. \$2.70.

Small sizes, suitable for small, potted plants, Carnations, etc. 18 inches, each 10c, doz. 90c. 24 inches, each 12c, doz. \$1.10.

Wood Pot Labels Painted

	Per 1000		Per 1000
3 1/2-in. Copper wired tree.	40c. per 100.	5-in.....	\$2.25
4-in.....	2.00	6-in.....	2.50
4 1/2-in.....	2.15	8-in.....	75c. per 100
		12-in.....	\$1.00 per 100



Wooden Plant Stakes Painted Green

	Light, Round, Tapering.	Doz.	100
2 feet.....	\$0.45	\$	2.90
3 feet.....	.85		5.50
4 feet.....	1.25		8.00
5 feet.....	1.60		10.75
	Heavy, Round, Tapering.		
4 feet.....	1.70		11.50
5 feet.....	2.20		14.75
6 feet.....	2.70		18.00

HANDY-WIRE STAKES—2 Ft., 3 Ft., 4 Ft.—PATENTED RING-HOLDER

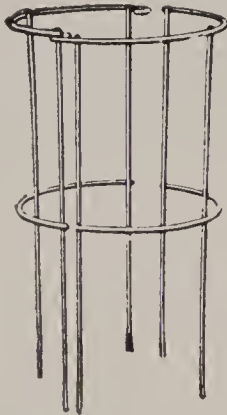
Price 75c.



Out-U-Come Weeder

Weatherproof Lead Pencils, Black

10 cts. each



Wire Paeony Supports

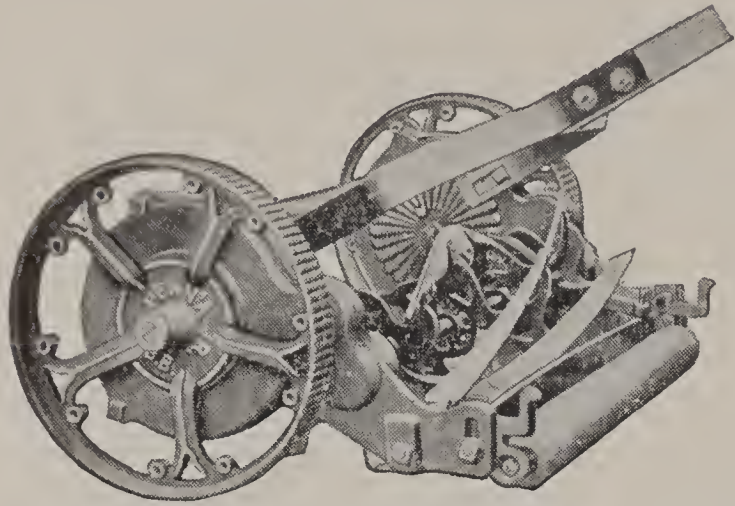
Easily shaped by hand to support rose bushes, peonies, tomatoes. Green enamel, two pieces to set.

Price 50 cts. pair \$5.50 doz.



Japanese Beetle Traps

ENJOY THESE MODERN LAWN MOWERS



Pennsylvania Junior

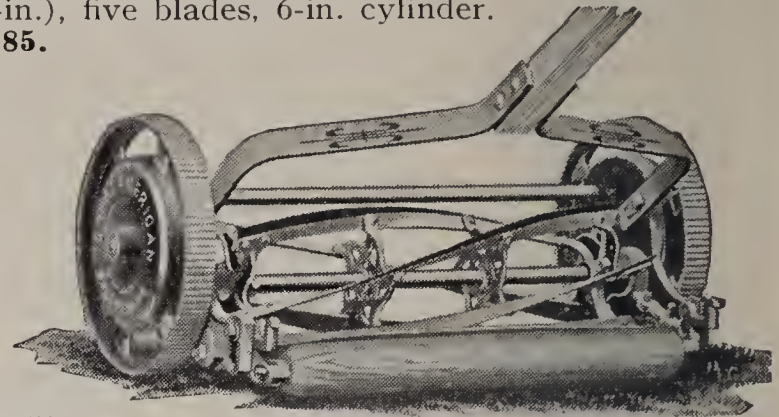
**Ball Bearing
Perfection in Lawn Mower Construction**

Five blades of crucible tool steel, oil-hardened and water-tempered. Lower knife, raised edge pattern, is made of the same steel, and is of such construction as to make it self-sharpening until entirely worn out.

Braun. Self-aligning Ball Bearings, spring-covered oil cups. Double train of cut gears, one on each side, insuring smooth work on the uneven lawn. High wheels (10-in.), five blades, 6-in. cylinder.
17 in. \$22.95, 19 in. \$24.85.

Great American Lawn Mower

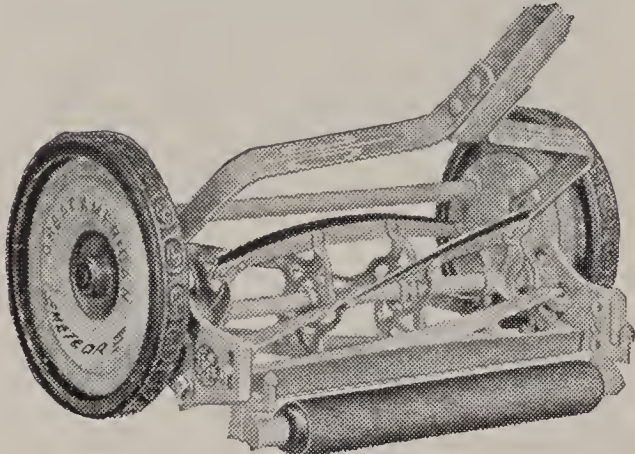
It is the best all around mower of its type made. Ball bearings make easy running, and self sharpening tool steel blades mean that your *Great American* is always in perfect condition. You will rejoice in its uninterrupted service. 17-in. \$17.25, 19-in. \$18.45.



GREAT AMERICAN METEOR Aluminum Built Ball Bearing

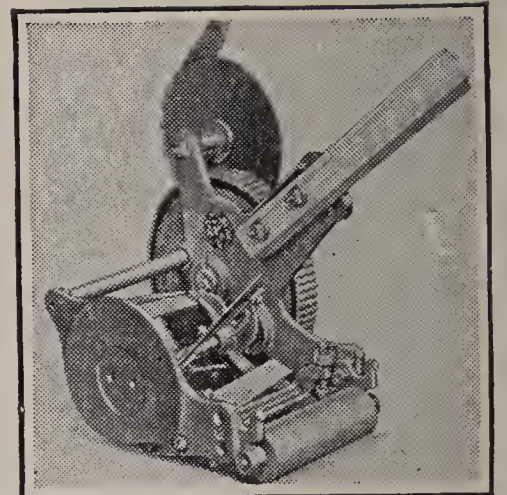
Rubber tires and roller insure quiet action, even when transporting over concrete walks.

16-inch..... \$18.45
19-inch..... 19.95



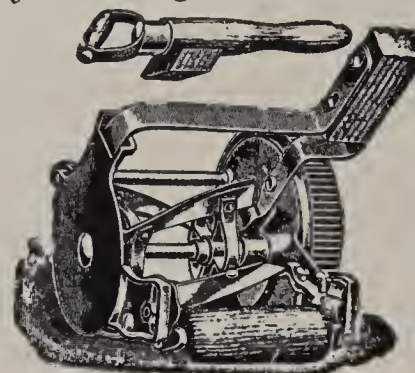
Pennsylvania - Trim- mer and Edger

Lawn accessory that saves time and labor. **Price \$9.85.**



Universal Lawn Trimmer

Cuts every blade of grass left by the lawn mower close to buildings, fences, walls, shrubbery, etc. Dispenses entirely with hand grass hook. Time saved will pay its cost in one season. **Self-adjusting, ball-bearing.** Self-sharpening wiper blades, cutting to one-eighth of an inch of end of trimmer. Sold on its merits. Satisfaction guaranteed. **Price, \$5.90.**



Drawcut Leader, 8-4

Eight Inch Wheels. Four Drawcut Blades. Automatically Adjusted Ball Bearings.

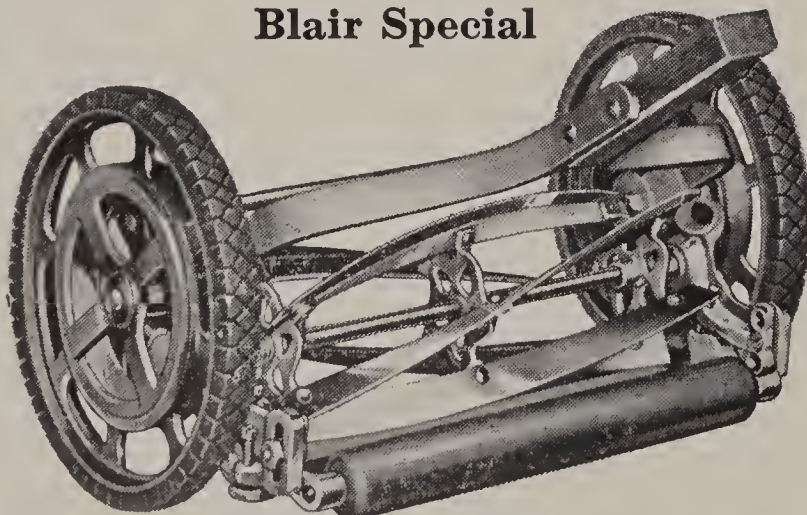
Prices: 14 in. \$5.50, 16 in. \$5.85, 18 in. \$6.25.

Drawcut Leader, 10-4

Ten Inch Wheels. Four Drawcut Blades. Automatically Adjusted Ball Bearings.

Prices: 14 in. \$6.25, 16 in. \$6.75, 18 in. \$7.25.

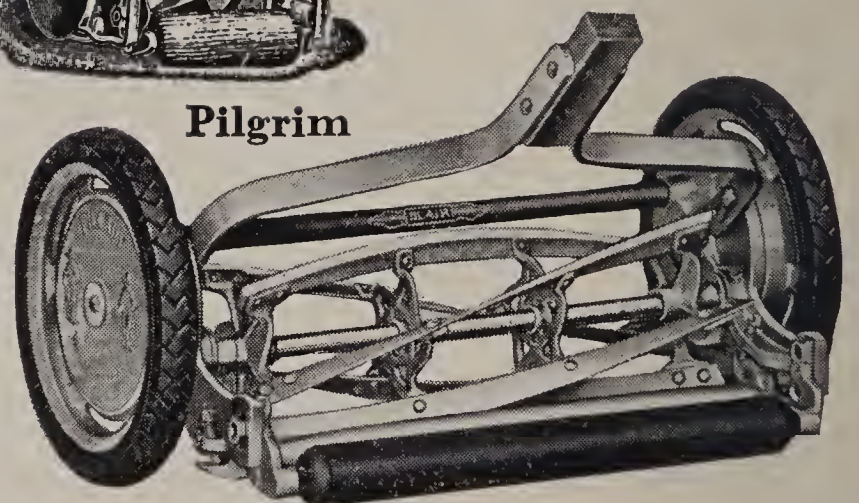
Blair Special



Ten Inch Wheels.
Solid Rubber Tires in Wheel Groove.
Five Drawcut Blades.
Automatically Adjusted Ball Bearings.

Prices: 14 in. \$7.50, 16 in. \$8.00, 18 in. \$8.50.

Pilgrim



Eleven Inch Wheels. Semi-Pneumatic Rubber Tires. Rubber Covered Tie Rod. Rubber Roller Equipped with Automatically Adjusted Ball Bearings. Five Drawcut Blades. Automatically Adjusted Ball Bearings. Double Riveted End and Two Center Spiders. Lipped Edge Stationary Knife.

**Prices: 14 in. \$12.75,
16 in. \$13.50, 18 in.
\$14.25.**

Mower Sharpener

**Price
65 cts.**



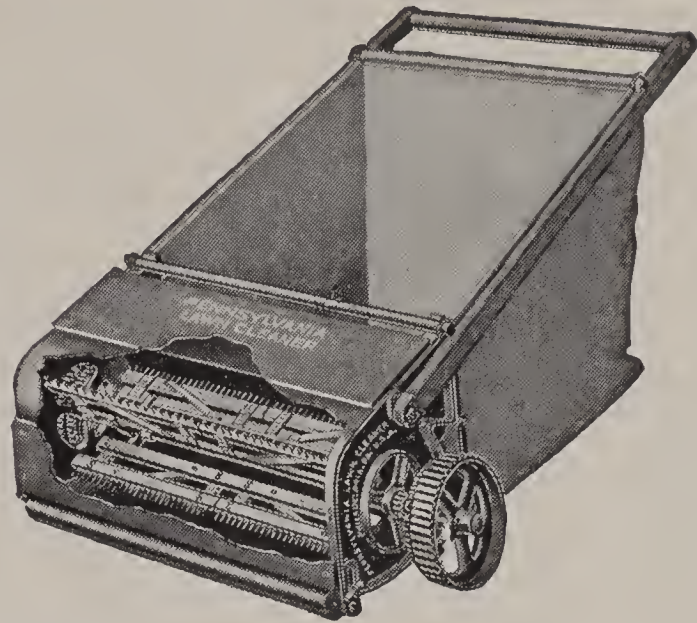
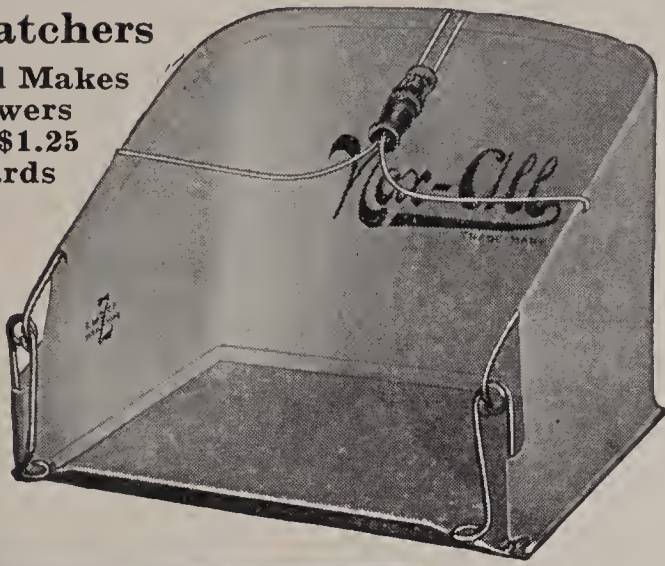
Reverse side of sharpener showing the adapters affixed.

AGENTS STEARNS POWER MOWERS

MODERN LAWN ACCESSORIES

Grass-Catchers

To Fit All Makes
of Mowers
Price, \$1.25
upwards

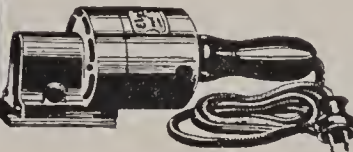


LAWN CLEANER and SWEEPER. Easy to operate and one man can do more and better work than four men with hand rakes.

Electrimer

A Real Tool for A Real Job!

Built to give enduring service. Has $\frac{1}{4}$ H.P. universal motor with die-cast aluminum housing and handy thumb-operated toggle switch. Special alloy gears. Cutter blade, 12 in. long, is made of finest crucible steel. **Price \$29.50**, includes 6 ft. of best rubber covered cord. Other accessories are listed below.



Extension handle, 4 ft.
long..... **\$4.75**

Extra 50 ft. of No. 18 cord
with connectors. **2.25**

Extra 100 ft. of No. 18 cord
with connectors..... **3.50**

Extra 200 ft. of No. 16 cord
with connectors..... **8.50**

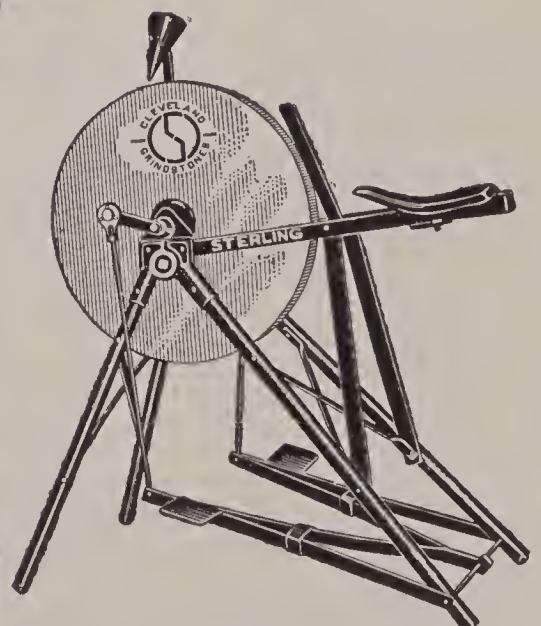
SPIKE-DISC

Lawn and Green Cultivators.
No. 30, width 18 in. **Price \$27.50.**
Other Models **\$15.00 upwards.**



EARTH-AUGER

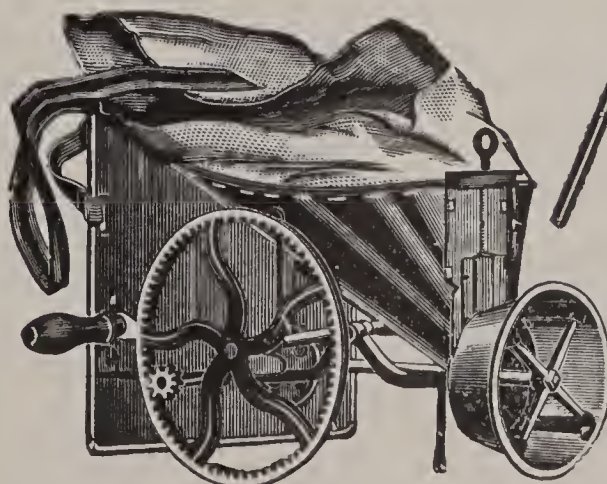
For Feeding Trees
and Shrubs.
Price \$3.50.



Cahoon's Broadcast

Seed Sower

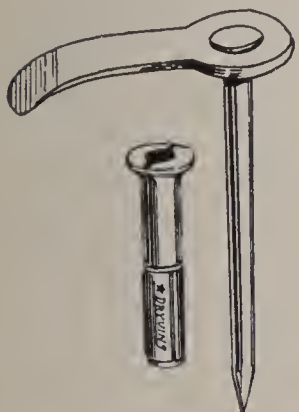
Price, \$5.25



Grindstones- Jewell

**Sturdy Tubular Steel
Frame**

Fully equipped, **\$12.00**



VYN—TACH—HOOKS

Attach Climbing Roses and other Vines easily
to Masonry and Wooden surfaces.

Box containing 25 Hooks, 25 Dryvins, Drill
Point and Holder. **Price \$2.00.**

Box containing 25 Hooks, 25 Dryvins. **Price
\$1.30.**

Write for prices on large quantities.

HUSKY TRUE TEMPER GARDEN TOOLS

for life time service

MCGUIRE'S
YAMADE
No. 1



METAL-BACK BAMBOO BROOM RAKE

Strong, durable, and light, metal back, easily handled by the ladies. Each: 18 in. 55c. and 65c.; 24 in. 90c.; 30 in. \$1.25.

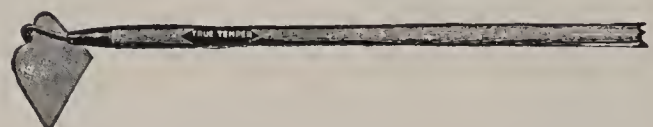
←“Metal-Grip”—Places every tooth on the ground when held at normal angle.

←“Spiral”—Links teeth together without restricting flexibility.



Cast Steel Solid Socket Hoes

Field Hoes, 7½- and 8-in.
Meadow Hoes, 8x3¾ in.
Meadow Hoes, 9x3¾ in.
Tobacco Hoes, 9x2¾ in.
Tobacco Hoes, 10x2½ in.
Tobacco Hoes, 11x2½ in.



Ladies' Hoes, 5 in., full polished, ash handles.
Square Top Onion, 7x1¾ in., ash handles.



Lawncombe

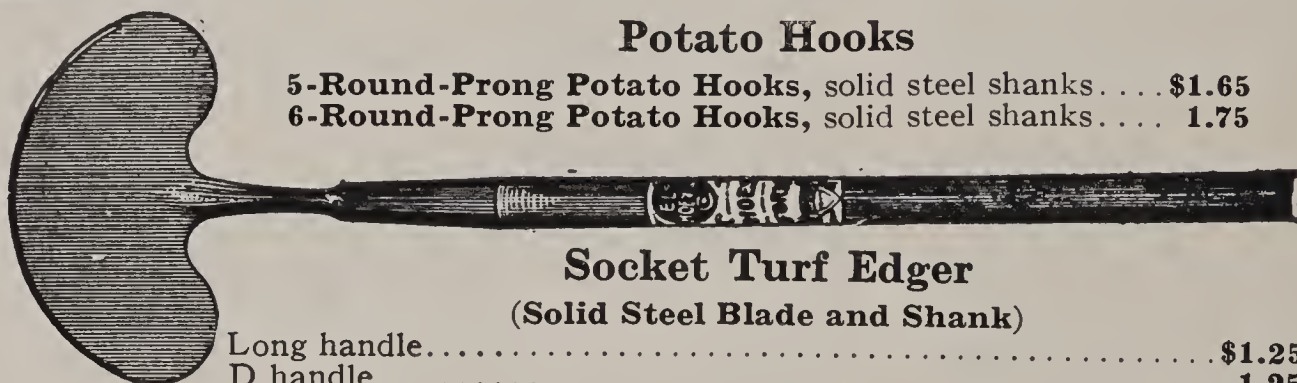
18-inch.....\$1.30
24-inch..... 1.75



**Planet, Jr.
Turf Edger**
Price \$1.50

Potato Hooks

5-Round-Prong Potato Hooks, solid steel shanks... \$1.65
6-Round-Prong Potato Hooks, solid steel shanks... 1.75



Socket Turf Edger

(Solid Steel Blade and Shank)

Long handle.....\$1.25
D handle..... 1.25



Rakes

Wood—Lawn—
Hay
Gumfinger
Rubber Tooth



True Temper Steel Garden Rakes

Black

12-tooth..\$1.25
14-tooth.. 1.30
16-tooth.. 1.40
18-tooth.. 1.60

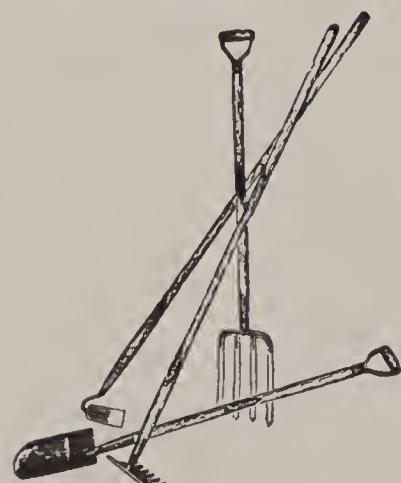
Panther Garden Rakes

12-tooth...\$0.65
14-tooth... .75
16-tooth... .95

Steel Gravel Rakes

This rake is finer and has shorter teeth than the garden rakes.

16-tooth.....\$1.75
18-tooth..... 1.90



True Temper Steel Garden Sets

Especially adapted for ladies' and boys' use. Quality and finish same as full-sized tools. Comprising Steel Spading Shovel, Boys' Steel Spading Fork, Light Steel Hoe and Six-toothed Forged Steel Rake. Price, \$3.20 per set.

Norcross Cultivator-Hoe and Weeder

5-prong Cultivator-Hoe, 4-ft. handle, weight, 3 lbs.....\$1.25

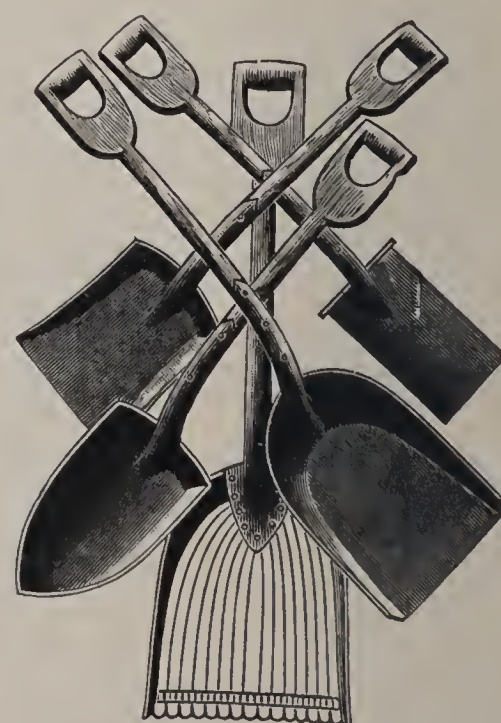
3-prong Cultivator Hoe, 4-ft. handle, weight, 2 lbs... 1.00

3-prong “Midget,” 9-in. handle, weight, 12 ozs.... .60

Midget Weeder, by parcel post..... .70



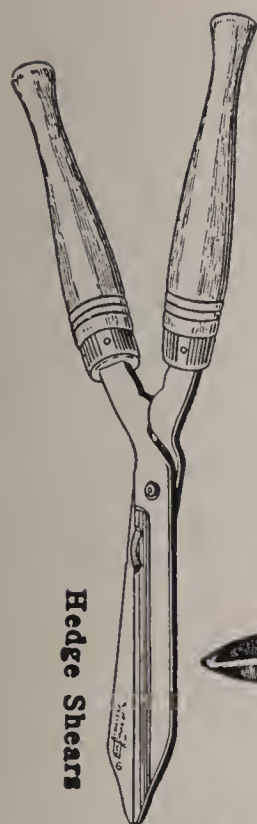
**SPADING FORKS
ALL STYLES**



Steel Goods

Our department in this line embraces a larger variety than shown in this catalogue and you can depend on quality as well as reasonable prices. We invite your inquiries.

BORDER, LAWN AND HEDGE SHEARS



Hedge Shears



Border Shears

6-in. Hedge Shears.....	\$1.80	English Style
8-in. Hedge Shears.....	\$1.50 to 2.50	\$3.00
9-in. Hedge Shears.....	2.00 to 3.75	3.25
10-in. Hedge Shears.....	2.25 to 4.00	3.75

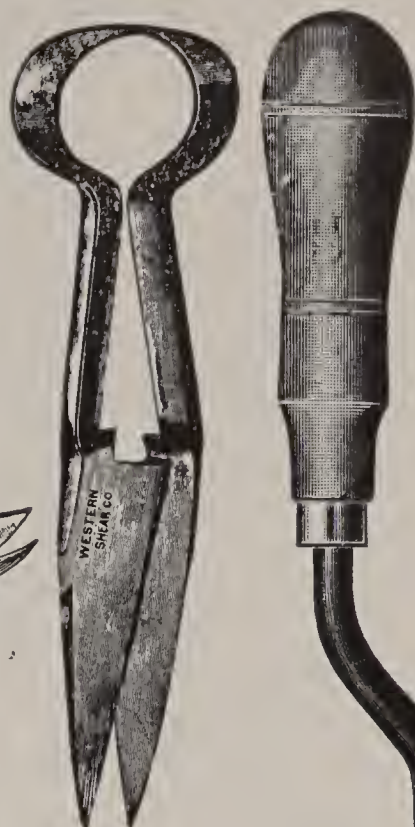
9-in. Border Shears, with wheel.....	4.70
10-in. Border Shears, with wheel.....	4.90
9-in. Border Shears, without wheel.....	4.20
10-in. Border Shears, without wheel.....	4.40
9-in. Lawn Shears, with wheel.....	4.70
9-in. Lawn Shears, without wheel.....	4.20

Pruning Shears

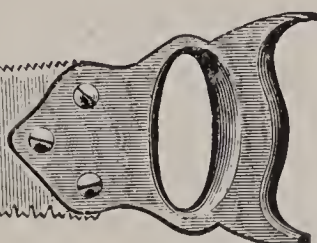
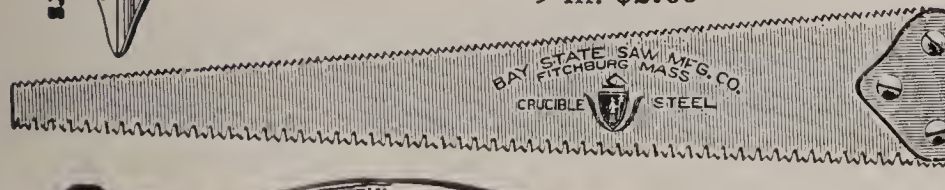
California Pattern, coil spring, 9-in. **75c Up**
French, solid steel (imported), 7-in., 8-in., 9-in. **\$2.50 upwards.**
Wiss, solid steel, 9-in. **\$2.65**



Pruning Shears



Grass Shears
\$1.25 Upwards



Soil Sieves

Strong oak frames. Galvanized wire with 2 heavy supporting wires.
Price \$1.50.

Garden Club Rose and Flower Shears



AS CUT FROM BUSH

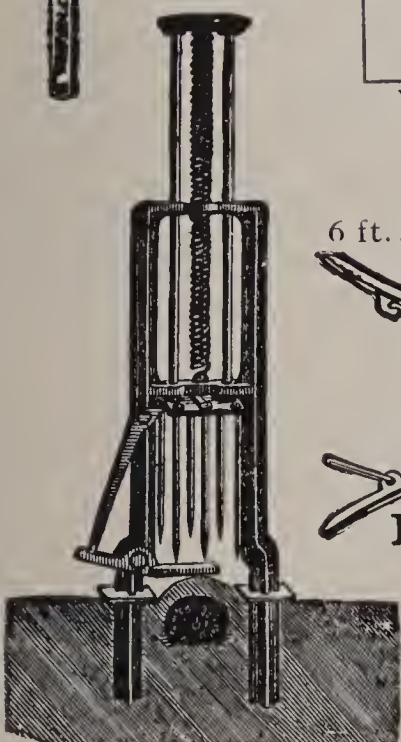
Will cut and hold any garden flower.
Price \$1.40

Pole Tree Pruners

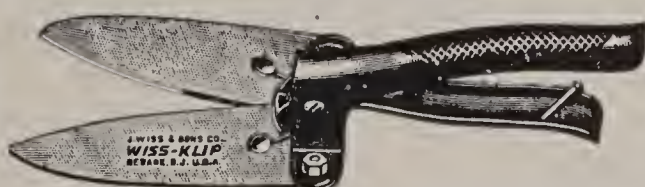
6 ft..\$1.90 8 ft..\$2.10 10 ft..\$2.25
12 ft..\$2.50



Easy-grip Grass Shears



Olmstead Mole Trap, \$2.00



Wiss Grass Shears
\$1.25

Raffia
For tying.
35 cts. per lb.
Green, 75 cts. lb.

Graftex
An Ever-Plastic Grafting and Dressing Compound.
1/2 lb. cans, 50 cts.



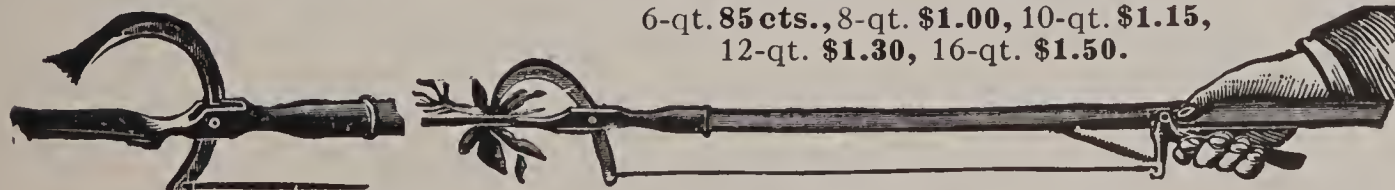
Watering Pot

Asparagus Knife and Weed Digger

Drop-forged blade, birch handle,
Each 35 cts.

EARTHENWARE FLOWER POTS

See page 62



Cleveland Weed and Dandelion Puller

Planet Jr. Garden Tools

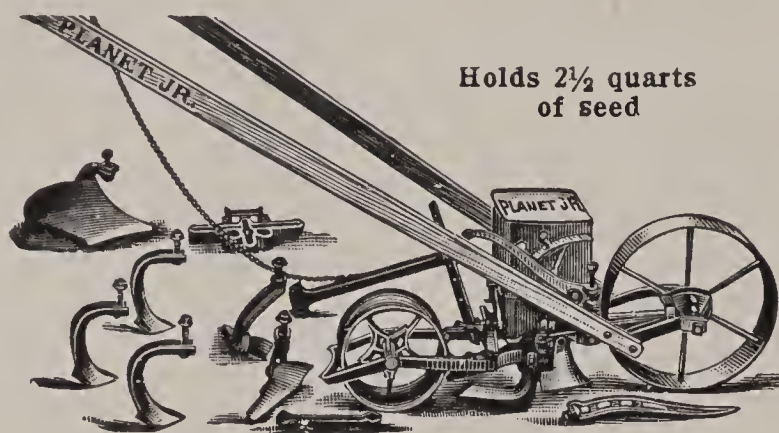
Cultivate Your Garden the Simple, Easy Way

The new "Planet Jr." catalogue is the handsomest, best and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

No. 4 Combined Hill and Drill Seeder Wheel Hoe, Cultivator and Plow

Price, complete, \$17.80. As a seeder only, \$14.00.

Plants in hills, 4, 6, 8, 12 or 24 inches apart. For use as a cultivator, the drill parts are removed and the tool frame substituted by changing but one bolt.

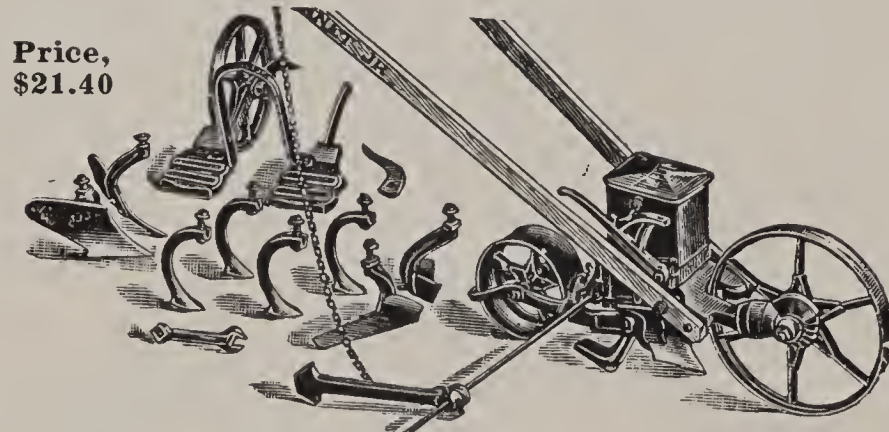


Holds 2½ quarts
of seed

No. 25 Combined Hill and Drill Seeder Double-Wheel Hoe, Cultivator and Plow

Holds 2½ quarts of seed. Steel frame.

The simplicity of this tool, both as a seeder and as a wheel hoe, makes the combination thoroughly practical. Two acres a day can easily be worked with this implement and when it is done it will be a better job than several men could have done in the same time with hand hoes.



Price,
\$21.40

No. 300A Drill Seeder

The ideal machine for the commercial vegetable grower. Capacity 4 qts.



Price,
\$19.00

Plants any vegetable seed from the smallest to Bush Lima Beans.

No. 11 Double-Wheel Hoe, Cultivator, Plow and Rake

Price, \$13.75

All our wheel hoe tools are of a special pattern, carefully tested by practical men; no others ever offered compare with them. All the steel parts are high-carbon steel, oil-tempered, finely formed, finished and polished and work to a charm.



No. 12 Double-Wheel Hoe, Cultivator and Plow

Price, \$10.90

This tool is identical with No. 11 wheel hoe, except that it has one pair plows, one pair hoes, four cultivator teeth and a pair of leaf lifters only, and is sold at a correspondingly less price.

No. 13 Double-Wheel Hoe

Price, \$8.30

This tool is the No. 12 with 6-inch hoes only.

No. 16, Single-Wheel Hoe, Cultivator, Rake and Plow

Price, \$8.35

In Nos. 16, 17 and 18 the wheels, frames and handles are alike, but the attachments sold with each vary.



No. 17, Single-Wheel Hoe

Price, \$7.35

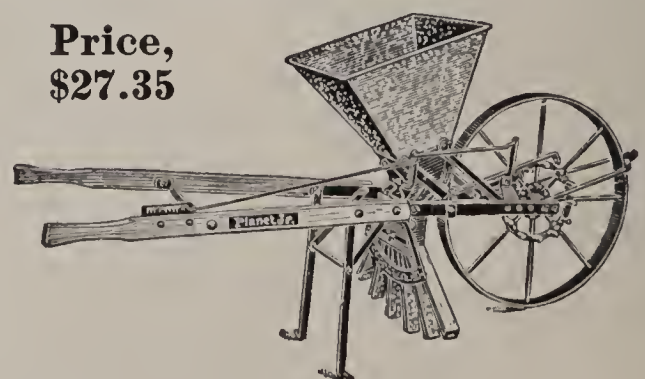
Has a pair of 6-inch hoes, a plow and a set of cultivator teeth—an outfit sufficient for most garden work.

No. 18, Single-Wheel Hoe

Has one pair of 6-in. hose only. Price, \$5.50.

Planet Jr. Fertilizer Distributor No. 220

Price,
\$27.35



Saves time and labor. Capacity one Bushel.

HOME GARDEN & LAWN BARROWS

"Charter Oak" Wheelbarrows

Made of selected thoroughly seasoned timber, well put together, braced and bolted. Full sized iron-hub wheels on steel axles, all nicely painted green.

Net cash prices:

No. 64. Medium.....	\$7.00
No. 65. Medium, large.....	7.50
Wide Wheel.....	7.50
Boys' Garden. Sturdy and strong.....	5.75



Handy-Garden Middy-Barrows Price \$4.25



Pneumatic Tired Wheelbarrows

Used extensively where the ordinary tires cut the earth. Price, \$12.75. \$13.25 complete.

Steel Tray Barrows

For Conveying Concrete, Mortar, Sand, Gravel, Cement, Fertilizers, Manure, etc.

Capacity, 3½ cu. ft. Weight, 62 lbs. Price, \$7.95.

Rubber Tired.....\$13.75



The Shovel-Barrow

Rubber-Tired Wheels...\$20.00

Also see Page 6—send for descriptive circular.



No. 106 Thompson Golf Special

Grass Seed Sower.....	\$25.00
No. 5 Grass Seeder, 14 ft. hopper.	15.50
No. 4 Grain Seeder, complete...	15.50
Grain Seed Hopper only.....	9.50



Mattocks and Picks



Aeroil No. 99 Weed Burner

Complete Outfit.
Price, \$20.00



Leaf Rack

Capacity 10 Bushels for gathering leaves, cutgrass and rubbish. Price, not including wheel-barrow, \$7.75.



Sectional Flower Garden Fence and Plant Support

Made in individual sections; snaps together with hooks. Can make any yardage of fence or any kind of a support. One of the most important and useful accessories for the lawn and garden. Very attractive.

	Doz.	100
24 in. high, 16 in. wide.....	\$1.50	\$10.00
30 in. high, 16 in. wide.....	1.75	14.00
36 in. high, 16 in. wide.....	2.25	17.00



SYRACUSE STEEL-BEAM PLOWS

FERTILIZERS AND PLANT FOODS

We can quote special prices on quarter ton, half ton, tons and carload quantities

All Prices are subject to change without NOTICE.



Sheep's Head Brand Pulverized Sheep-Manure

This is a pure, natural manure, the best and strongest in fertilizing and enriching elements of all nature's fertilizers, containing nitrogen, phosphoric acid and potash in liberal proportions. As a top dressing for lawns, tennis courts and golf greens it has no equal; further, there is nothing better for the flower and vegetable garden. It can be applied at any time of the year without injury to the plant or foliage. Its effect is immediate, much more lasting and healthy than commercial fertilizers, or any other manure. For mixing with soil, use one part manure to six parts soil; for making a liquid, use one pound manure to five gallons of water; this can be used with safety daily if necessary. For top dressing grass use about 200 pounds for 25 square rods (equal to a plot 100 by 65 feet), 5 lbs. **35 cts.**, 25 lbs. **\$1.00**, 50 lbs. **\$1.75**, 100 lbs. **\$2.95**, 500 lbs. or more, special prices on application.

Soiltex

An accurate test outfit for soil reaction—neutral or acid, and the degree of acidity—is shown by **Soiltex** with one short operation. Complete outfit **\$1.00**.

Cattle Manure

Shredded and dried and therefore considerably more concentrated than as it comes from the stable. 25 lbs. **\$1.00**, 50 lbs. **\$1.75**, 100 lbs. **\$2.95**.

Fine Ground Knuckle Bone, Absolutely Odorless

The grade we handle is strictly pure, ground from the knuckle bones, free from meat and marrow, therefore as odorless as flour. Use for lawns and grass plots about three pounds to each square rod, or fifty pounds for 100 feet by 50 feet. 5 lbs. **45 cts.**, 10 lbs. **85 cts.**, 25 lbs. **\$1.35**, 50 lbs. **\$2.20**, 100 lbs. **\$3.60**.

Fine Ground, Strictly Pure Bone—

Pure bone is a most valuable fertilizer for all crops and plants. It can be applied at any time in any quantity desired without danger of doing harm to plant life. As it is not soluble in water and comes into use only by organic decay it is much slower in action than the chemical fertilizers, but retains the effects in the soil correspondingly longer. Use for lawns and grass plots about three pounds to each square rod, or fifty pounds for 100 feet by 50 feet. 25 lbs. **\$1.15**, 50 lbs. **\$1.80**, 100 lbs. **\$3.15**.

Corn, Grain and Grass Top-Dressing

This superior dressing acts gradually throughout the entire season, producing a luxuriant growth of grass of a rich, velvety green color. This fertilizer also gives excellent results for seeding to grass; use 400 to 500 pounds to the acre at the time of seeding. Use for top dressing lawns three pounds to each square rod or fifty pounds for a plot 100 by 50 feet. 5 lbs. **35 cts.**, 25 lbs. **\$1.25**, 50 lbs. **\$1.85**, 100 lbs. **\$3.25**.



Rose Food Gro-fast Product

The nitrogen is derived entirely from organic sources. Roses require a sweet soil for best results and fertilizer should be used that has a non-acid reaction. Use handful around each bush. 5 lbs. **75 cts.**, 25 lbs. **\$2.75**, 50 lbs. **\$3.75**, 100 lbs. **\$6.00**.

High-Grade Vegetable Compound

This is a complete manure, particularly adapted for the requirements of the market gardeners, also for use in the kitchen garden. It contains well judged proportions of ammonia, phosphoric acid and potash. Magnificent yields of Potatoes and vegetables have been produced with this compound. 5 lbs. **30 cts.**, 25 lbs. **\$1.15**, 50 lbs. **\$1.75**, 100 lbs. **\$3.00**.

Hydrated Agricultural Lime

Much used as a corrective for improper soil conditions, especially as a neutralizer for acid soils. Most vegetables are benefited by using lime. Apply at the rate of 15 lbs. to each square rod. 5 lbs. **25 cts.**, 10 lbs. **35 cts.**, 25 lbs. **50 cts.**, 50 lbs. **80 cts.**, 100 lbs. **\$1.40**.

SALT. For agricultural purposes and Asparagus beds, apply 600 to 800 pounds to the acre. 50 lbs. **90 cts.**, 100 lbs. **\$1.50**.

Aluminum Sulphate

Used in encouraging the growth and creating an acid soil in which Azaleas, Rhododendrons and similar plants are planted. Use one pound to 10 square feet of surface. 5 lbs. **50 cts.**, 10 lbs. **85 cts.**, 25 lbs. **\$1.50**, 50 lbs. **\$3.00**, 100 lbs. **\$5.00**.

GRO-FAST Plant Food



Recommended for lawns, flowers, shrubberies, vegetable gardens, potted plants, etc. Apply evenly at the rate of 4 pounds per 100 square feet on lawns and water thoroughly. In the garden use at the same rate, working Gro-Fast thoroughly into the soil.

5 lbs. **50 cts.**, 10 lbs. **85 cts.**, 25 lbs. **\$1.75**, 50 lbs. **\$2.85**, 100 lbs. **\$4.50**.

Hubbards Golf Green Fertilizer

8-6-2

With the long-lasting organic "balanced food" content for Lawns. 100 lbs. **\$4.35**. Write us for quantity prices and literature.

Nitrate of Soda

SUPER-FINE NON-LUMPING

A stimulant to all plants. Use it with care, 1½ oz. per square yard, as a liquid fertilizer, 1 oz. dissolved in 1 gallon of water.

5 lbs. **50 cts.**, 10 lbs. **90 cts.**, 25 lbs. **\$1.40**, 50 lbs. **\$2.10**, 100 lbs. **\$3.65**.

Muriate of Potash

5 lbs. **60 cts.**, 25 lbs. **\$1.50**, 50 lbs. **\$2.00**, 100-lb. bags **\$3.75**.

Plain Superphosphate or Acid Phosphate

5 lbs. **25 cts.**, 25 lbs. **65 cts.**, 50 lbs. **\$1.00**, 100-lb. bags **\$1.75**.

Sulphate of Ammonia

SUPERFINE-NON-LUMPING

Feeds the grass and starves the weeds. An extra processed Sulphate that makes beautiful lawns, greens and fairways. Readily available and not easily leached from the soil. 5 lbs. **50 cts.**, 10 lbs. **90 cts.**, 25 lbs. **\$1.40**, 100 lbs. **\$3.65**.

Calcium Chloride

Ends Dust—by laying dust and keeping it laid on dirt, gravel concrete or similar surfaces. Apply one pound to square yard on gravel roadways. 5 lbs. **40 cts.**, 10 lbs. **75 cts.**, 25 lbs. **\$1.25**, 50 lbs. **\$1.75**, 100 lbs. **\$3.00**.

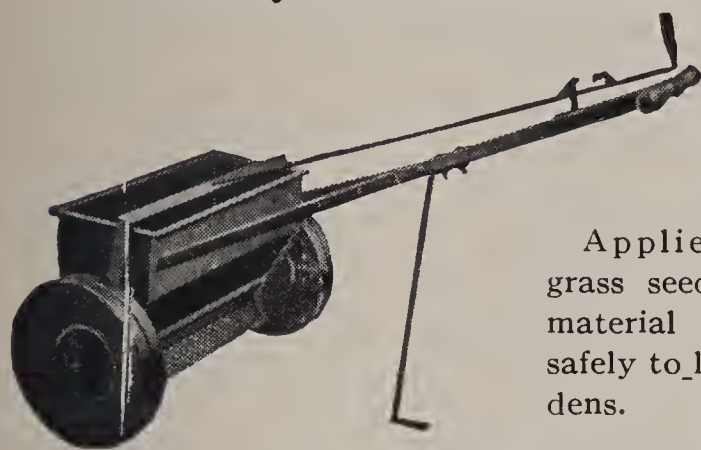
FEED EVERYTHING YOU GROW .

VIGORO

Complete plant food

100-lb. bag.....	\$4.25	10-lb. pkg.....	\$0.85
50-lb. bag.....	2.75	5-lb. pkg.....	.45
25-lb. bag.....	1.55		

Handy Fertilizer Distributor



Applies Fertilizer, grass seed or any dry material evenly and safely to lawns and gardens.

PRICES

18-in., \$12.50	24-in., \$18.00	36-in., \$24.50
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PIONEER



PEAT MOSS



We invite inquiry booklet and information upon request. Large bale (12 cubic feet, 20 bushels, and covers 240 sq. ft. 1 in. deep) **\$3.75**; small bale, trial size, **\$1.50**. We can supply 1 bale or carload promptly.

STIM-U-PLANT

PLANT STIMULANT TABLET

Plant Food in Tablet Form

Complete directions enclosed in each package. 30 tablets **25c.**, 100 tablets **75c.**, 500 tablets **\$2.50**. 1000 tablets **\$3.50**.



5 lbs.....	\$.60
10 lbs.....	.95
25 lbs.....	1.90
50 lbs.....	3.25
100 lbs.....	5.50

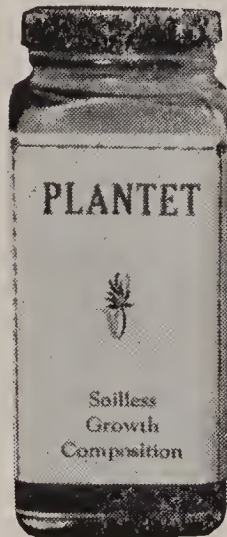
LUXURA

THE SEASON-LONG PLANT FOOD

CASTOR PUMACE & COTTON SEED MEAL
Market Prices



Improved Dri-conure is an all organic fertilizer embodying the fertilizing benefits of concentrated cow manure and poultry manure, plus the mechanical benefit and moisture regulating qualities of peat moss. Large 2½ bushel, 50 lb. bag **\$1.95**, 100 lbs. **\$3.50**.



PLANTET

A Nutrient Mixture

developed and prepared by the authors of

"SOILLESS GROWTH OF PLANTS"

Bottle sufficient for preparing 30 gallons of growth solution for sand or water culture. **75c.**

Sorbex

Sorbex will correct hard, baked condition of turf quicker, cheaper and with more lasting results than any other product. When worked into the soil it will lighten heavy clay soils and bind sandy soils.

Packed in paper-lined sacks of 10 bushels when loosened; weight 80 to 90 lbs. Per sack, **\$2.85**.

ADCO

Turn Garden Refuse Into Manure

Adco is a powder which when mixed with almost any non-woody vegetable waste and kept moist, gradually converts the mass into real manure free from foul odor, flies, weed seeds, etc.

Adco can be had in packages of various sizes, designed to meet the needs of everything from the smallest garden to the greatest plantation.

Adco, in 25 lb. bags (enough for 12 wheelbarrow loads of garden waste, making ½ ton of manure), **\$2.00**.

Adco, in 100 lb. bags (4-25's) (enough for a heap 8 ft. x 8 ft. x 6 ft., making about 2 tons of manure), **\$7.75**.

Adco, in 150 lb. bags (enough for a heap 10 ft. x 10 ft. x 6 ft., making about 3 tons of manure), **\$10.50**.

Adco, in 7½ lbs. Cartons **\$1.00** each.

Adco Weed Killer

A Weed Killer for Lawns. A powder that eradicates weeds and at the same time stimulates the grass to a richer growth. One pound is enough for 100 sq. ft. Descriptive circular on request. 3-lb. can **85c.**, 25-lb. bag **\$3.75**.

BOVUNG

Bovung is dried cow manure. It contains the chemical value of fertilizer with the organic value of manure.

50-lb. bag.....	\$1.75
100 lbs.....	3.25

FLORANID

(UREA)

1 lb.....	\$0.35	5 lbs.....	\$1.10
10 lbs.....	1.80	25 lbs.....	3.25
50 lbs.....	5.00	100 lbs.....	9.00

NITROPHOSKA

15—30—15

THE COMPLETE CONCENTRATED FERTILIZER

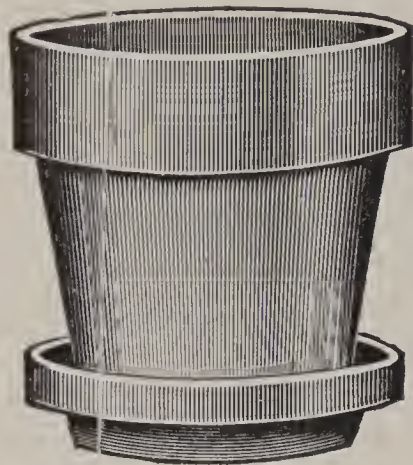
1 lb.....	\$0.35	5 lbs.....	\$1.10
10 lbs.....	1.80	25 lbs.....	3.25
50 lbs.....	4.75	100 lbs.....	7.50



Germaco Hotkaps

New Method of Plant Protection

1000 lots \$10.25, 5000 lots \$10.15 per 1000, 10,000 lots \$10.05 per 1000, 250 trial package, including garden setter with tamper, \$3.85; 100 home package, including garden setter with tamper, \$2.65; 25 Germaco Hotkaps and Paper Setter, 50 cts.; Germaco Hotkap steel setter with tamper, \$1.50; postage extra.



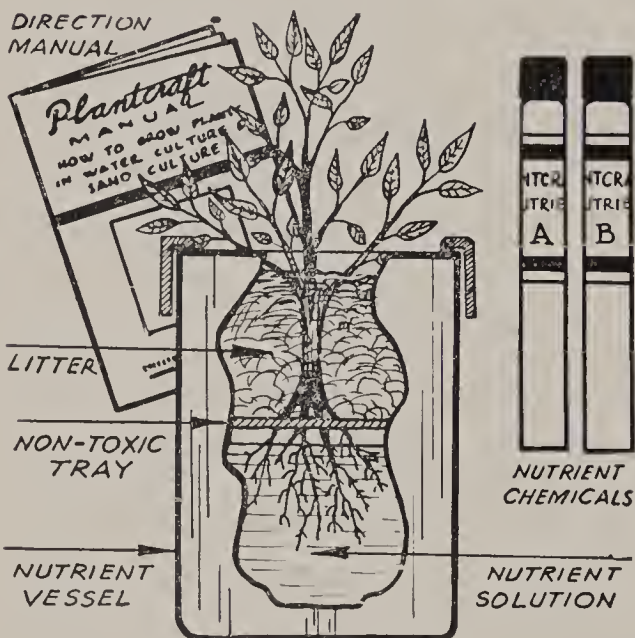
CLAY POTS AND SAUCERS

STANDARD FLOWER POTS, EARTHEN

Height and diameter are the same.

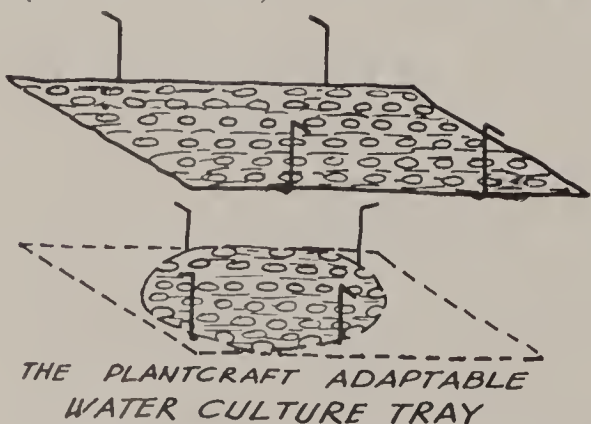
Dia. in in.	Ea.	Doz.	Per 100	Dia. in in.	Ea.	Doz.	Per 100
2½	\$0.05	\$0.35	\$1.65	7	\$0.20	\$2.00	\$13.50
3	.06	.40	2.15	8	.30	2.75	19.50
4	.07	.50	3.30	9	.40	4.00	30.00
5	.10	.85	5.95	10	.55	5.50	40.50
6	.15	1.25	8.25	12	1.00	11.00	82.50

DIRECTION MANUAL

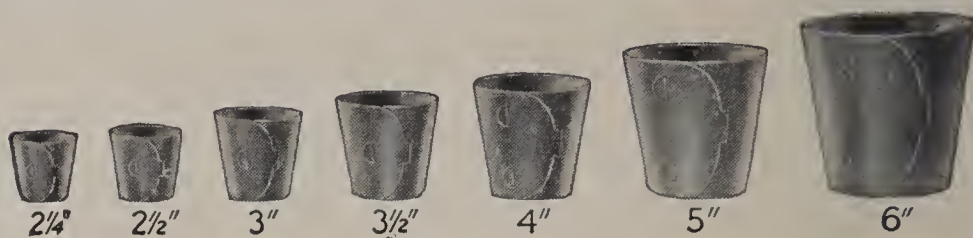


Plantcraft Water Culture Tray

The Plantcraft Water Culture Tray makes it easy for you to use any decorative container for water culture. It is impervious to water. It is easily cut with scissors to any desired shape, and sufficient non-corrosive wire is furnished with each tray to properly support it in any style container. Plantcraft Water Culture Tray (12 x 12 inches).....\$0.35



Bird's IMPROVED NEPONSET Flower Pots



NEPONSET RED

For storage, transplanting and shipping.

NEPONSET GREEN

Especially adapted for growing.

	Doz.	100	1000		Doz.	100	1000
2½ in.	\$0.15	\$0.50	\$2.85	2½ in.	\$0.20	\$0.85	\$5.40
3 in.	.20	.60	3.50	3 in.	.25	.95	6.30
3½ in.	.25	.75	4.40	3½ in.	.30	1.20	8.60
4 in.	.30	.90	5.50	4 in.	.35	1.35	9.90

SAUCERS, EARTHEN

Dia. in in.	Ea.	Doz.	Per 100	Dia. in in.	Ea.	Doz.	Per 100
3	\$0.05	\$0.30	\$2.00	7	\$.10	\$1.00	\$ 7.00
4	.05	.40	2.35	8	.15	1.25	9.75
5	.05	.50	3.25	9	.20	1.80	12.50
6	.08	.70	4.75	10	.25	2.50	20.00
				12	.40	4.00	30.00

ROUND SEED OR BULB PANS, EARTHEN

Dia. in in.	Ea.	Doz.	Per 100	Dia. in in.	Ea.	Doz.	Per 100
6	\$0.15	\$1.25	\$8.25	10	\$.55	\$5.50	\$40.50
8	.30	2.75	19.50	12	1.00	11.00	82.50

CYPRESS—GREENHOUSE FLATS

18 in. x 11½ in. x 2½ in.

Convenient size for starting seeds. 25 cts. each. \$2.75 doz.

HEAVY CEDAR PLANT TUBS

For growing Century, and other large plants. Made of the best red cedar, painted green, iron handles.

Plantcraft Complete Water Culture Kit

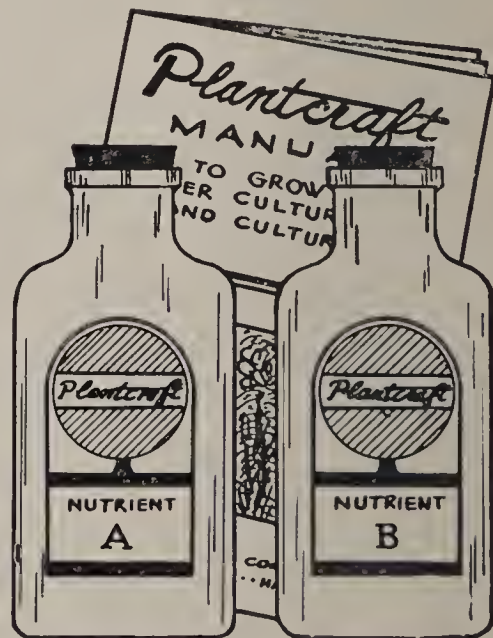
For those who are interested in trying water culture on a small scale, at a minimum of expense and trouble, we offer a Complete Water Culture Kit. Here is everything you need. A suitable container (1 qt. size), 2 oz. Plantcraft Nutrient Chemicals (enough to last for a year), tray, litter and clear, easily understood directions all come ready to use.

Complete Plantcraft Water Culture Kit.....\$1.00

Plantcraft Nutrient Chemicals

Plantcraft Nutrient Chemicals are reinforced with synthetic plant hormones which supplement the natural hormones found in all plants, and produce healthier and more vigorous plant development.

- 2 oz. Plantcraft Nutrient Chemicals (will make 12½ gal. nutrient sol.).....\$0.25
- 1 lb. Plantcraft Nutrient Chemicals (will make 100 gal. nutrient sol.)..... .75
- 5 lb. Plantcraft Nutrient Chemicals (will make 500 gal. nutrient sol.)..... 2.75



Water Culture Litter

The litter is an important consideration of any water culture system. It must be composed of some substance that will pack well around the stems of the plants and yet be coarse enough in texture to lay on top of the tray without falling through the holes into the nutrient solution below.

Sphagnum Moss and Excelsior Litter (sufficient for a 4 in. layer in a 12 x 12 inch container).....\$0.25

Feed the Wild Birds with C. & J.'s Outdoor Bird Food

UNEXCELLED BIRD FOODS

Pep
For Canary Birds

Nestling Food

Bird Wash
A Germicide

Ideal Song Restorer

Bird Salve
For Sore Feet

**Japanese and
Natural Fish Foods**

Bird Balm
For Bald Heads

Bird Tonic
For Birds in Captivity

Bird Nesting

Parrot Tonic, Etc.

**Sweet Recleaned
Canary and Rape**

**Large Striped
Sunflower**

Millet

Hemp

Out-of-Door Mixture

"Doggies! Dogs! Doggies!"

**Q — W
DOG — REMEDIES**

For

Fleas—Lice—Worms;
General Run Down Condition;
Constipation—Distemper;
Skin Diseases—Itching;
Fits—Coughs or Colds;
For Growing Pups;
Rheumatism Mange; Cuts;
Tears—Bites, Etc.;
To Promote Rich Glossy Coat;
Disinfectant and Dog Dip;
Irritations—Eye or Ear—
Warts and Parasitic Sores.

DRY—SHAMPOO and DEODORANT

for DOGS and CATS

Trial size.....25c
Large size.....50c

Non-INFLAMMABLE CREAM POLISH



1/4 pint 20c., 1/2 pint, 30c., pint 55c.,
quart 85c., gallon \$2.25. Also 30 and
55 gallon drums.



"a head of them all"



Give Your Dog

The Right

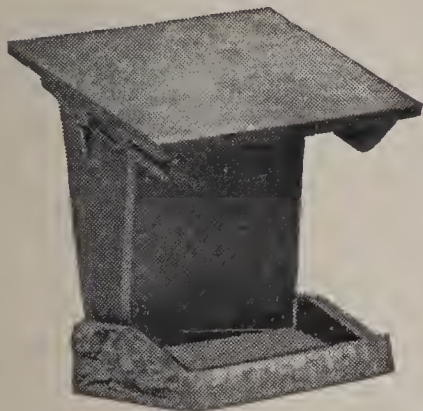
FOOD

70% of all dogs brought to veterinarians are suffering from poor feeding. Play safe! Insist upon the genuine Gaines Dog Food . . . prepared by experts who know the foods healthy dogs need . . . and how much of each to use. It's a thrifty "Scotch" way of feeding . . . and you'll get the same results as do the owners of those champions of dogdom who use Gaines Food every day.

Special - 5 lb. Trial Bagful, 50c

REINDEER MEAT

8 - 1-lb. Tins—\$1.00

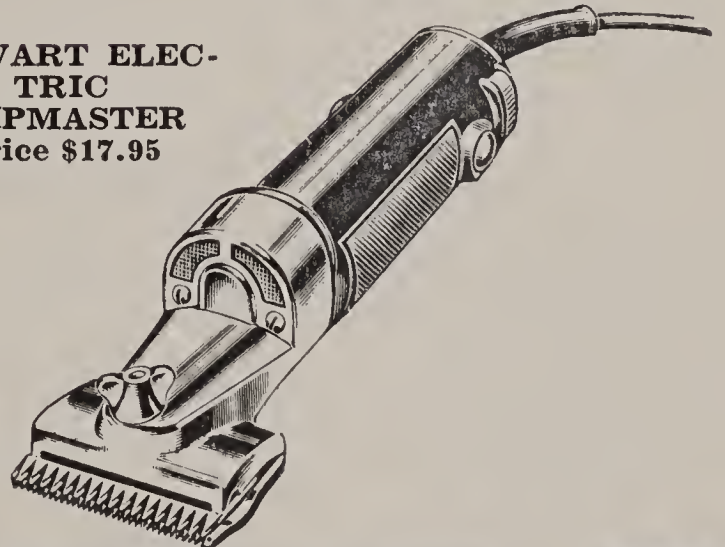


**RUSTIC SEED
FEEDER**
\$2.50



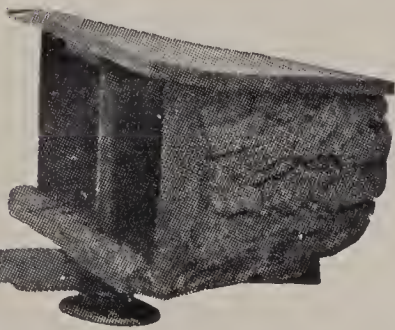
BISHOP WREN HOUSES
50 cts. to \$2.00

**STEWART ELEC-
TRIC
CLIPMASTER**
Price \$17.95



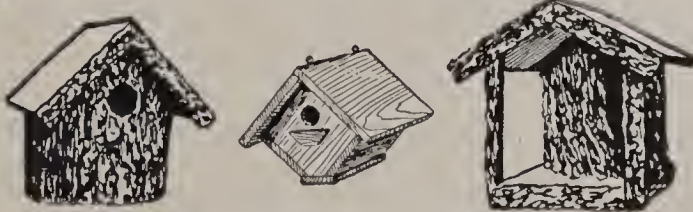
Weathervane Feeder

No. 107. Made of cypress and rustic Hemlock. Contains a small basket for food. Length, including vane, 25 inches. **Price \$5.00.**



Rustic Bird House and Food Shelters

Priced \$1.00 upwards.



ROBIN—WREN—SHELTER



Champion Leg Bands

Made of aluminum. Adjustable to fit any fowl. Can't lose off. **Price, postpaid, 25 for 25 cts., 100 for 50 cts.**

Perfecto Celluloid Spiral Leg Bands

Ten colors that will not fade: Amber, black, light blue, dark blue, green, pink, red, ruby, white, yellow. Birds cannot lose them or remove them; will last a lifetime.

Poultry Sizes, 12 for 12 cts., 25 for 20 cts., 50 for 30 cts., 100 for 45 cts.

Pigeon and Chick Sizes, 12 for 12 cts., 25 for 20 cts., 50 for 30 cts., 100 for 50 cts.

When ordering please state BREED OF POULTRY.

PRATT'S

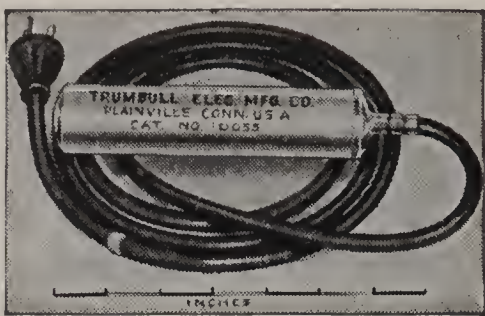
Baby Chick Food with Buttermilk, Gape Remedy, Poultry Regulator, White Diarrhoea Remedy, Powdered Lice Killer, Head Lice Ointment, Disinfectant and Liquid Lice Killer.

CONKEYS

Electric Brooder



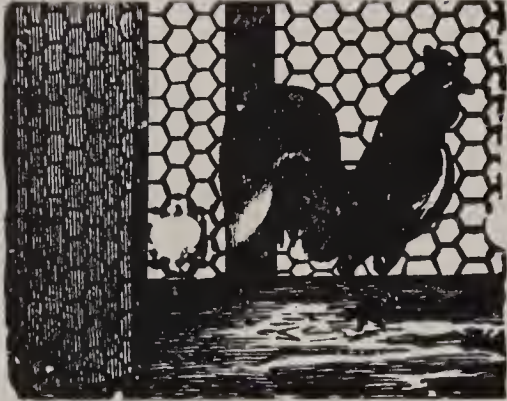
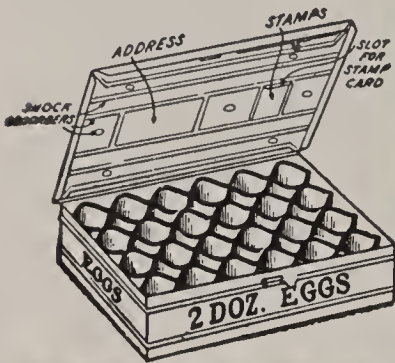
Trumbull Poultry Water Warmer



Caponizing Set



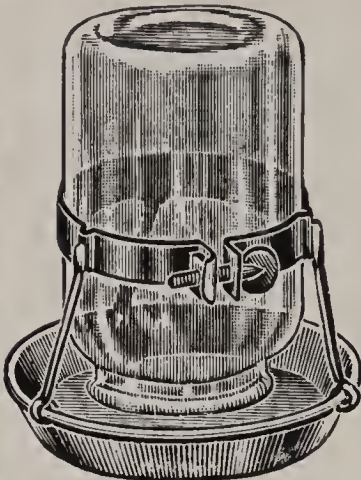
Parcel Post Medal Egg Crates



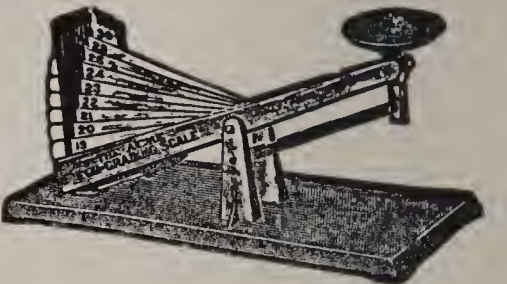
Galvanized Poultry Netting



Plain-Egg Boxes
125 - 250



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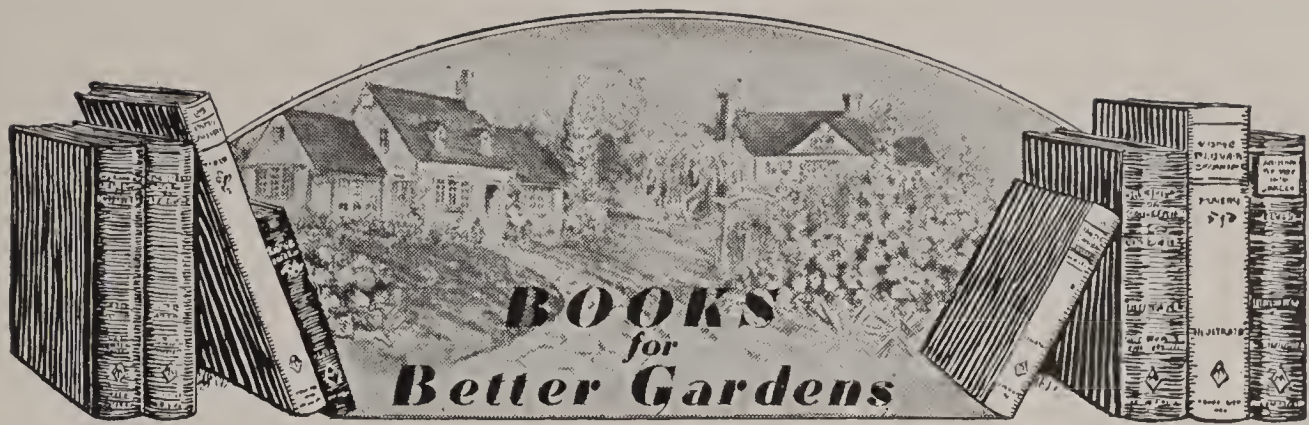
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INDEX

FLOWER, VEGETABLE AND FARM SEEDS, BULBS AND PLANTS

Page	Page	Page	Page
Artichoke.....22	Hardy Perennial	Sweet Peas.....16	Flower Boxes....52
Asparagus.....22	Plants.....21	Swiss Chard.....25	Flower Pots.....62
Barley.....45	Herbs.....43	Tomatoes.....42	Flower Holder....57
Beans.....23, 24	Kale.....31	Tuberous Roots..20	Forks.....56
Beets.....25	Kohl-Rabi.....31	Turnips.....43	Fruit Picker.....52
Broccoli.....22	Lawn Grass Seed.. 5	Vegetable Oyster.41	Garden Line.....52
Brussels Sprouts..22	Leek.....31	Vetches.....45	Garden Sets.....56
Bulbs.....4, 20	Lettuce.....32	Watermelons.33, 34	Glass Cloth.....52
Cabbage.....26	Mangel Wurzels..25	Wheat.....45	Graftex.....57
Cardoon.....26	Melons.....33, 34	Witloof.....28	Grindstones.....55
Carrots.....27	Millets.....45		Gloves.....53
Cauliflower...22, 27	Mushrooms.....34		Hedge Trimmer..55
Celeriac.....28	Muskmelons.....33		Hooks....52, 55, 56
Celery.....28	Mustard.....31		Hoes.....56
Chard, Swiss....25	Nasturtium...13, 34		Hose, Garden...52
Chicory.....28	Okra.....34		Hose Nozzles....52
Clovers.....44	Onions.....35		Hotkaps.....62
Collards.....28	Parsley.....37		Insecticides and
Corn, Field...29, 30	Parsnips.....37		Fungicides.....
Corn, Pop.....29	Peas.....36, 37		46, 47, 48, 49
Corn, Salad....28	Pepper.....38		Labels.....53
Corn, Sweet....29	Potatoes.....38		Lawn Cleaner...55
Cress.....27	Pumpkins.....39		Lead Pencils....53
Cucumbers.....30	Radish.....40		Leaf Rack.....59
Dahlias.....4, 10	Rape.....45		Mats, Hotbed...52
Dandelion....28, 31	Rhubarb.....39		Mattocks.....59
Di-Rapa.....22	Rock Garden Plants		Mole Trap.....57
Eggplant.....31	21		Mowers.....54, 55
Endive.....28, 31	Roses.....3		Nodogen.....45
Farm Seeds.....45	Rye.....45		Nozzles...50, 51, 52
Finocchio.....31	Salsify.....41		Pails, Flower....52
Florence Fennel.31	Soja Beans.....45		Peat Moss.....61
Flower Seeds2, 6 to 19	Sorrel.....41		Planet Jr., Garden
Gladioli.....4	Spinach.....41		Tools.....58
Grass Seed.5, 44, 45	Squash.....40, 41		Plant Spray, Rub-
Hardy Perennial	Sudan Grass....45		ber.....52
Seeds...17, 18, 19	Summer Flowering		Plant Support, 53, 59
	Bulbsand Roots20		

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